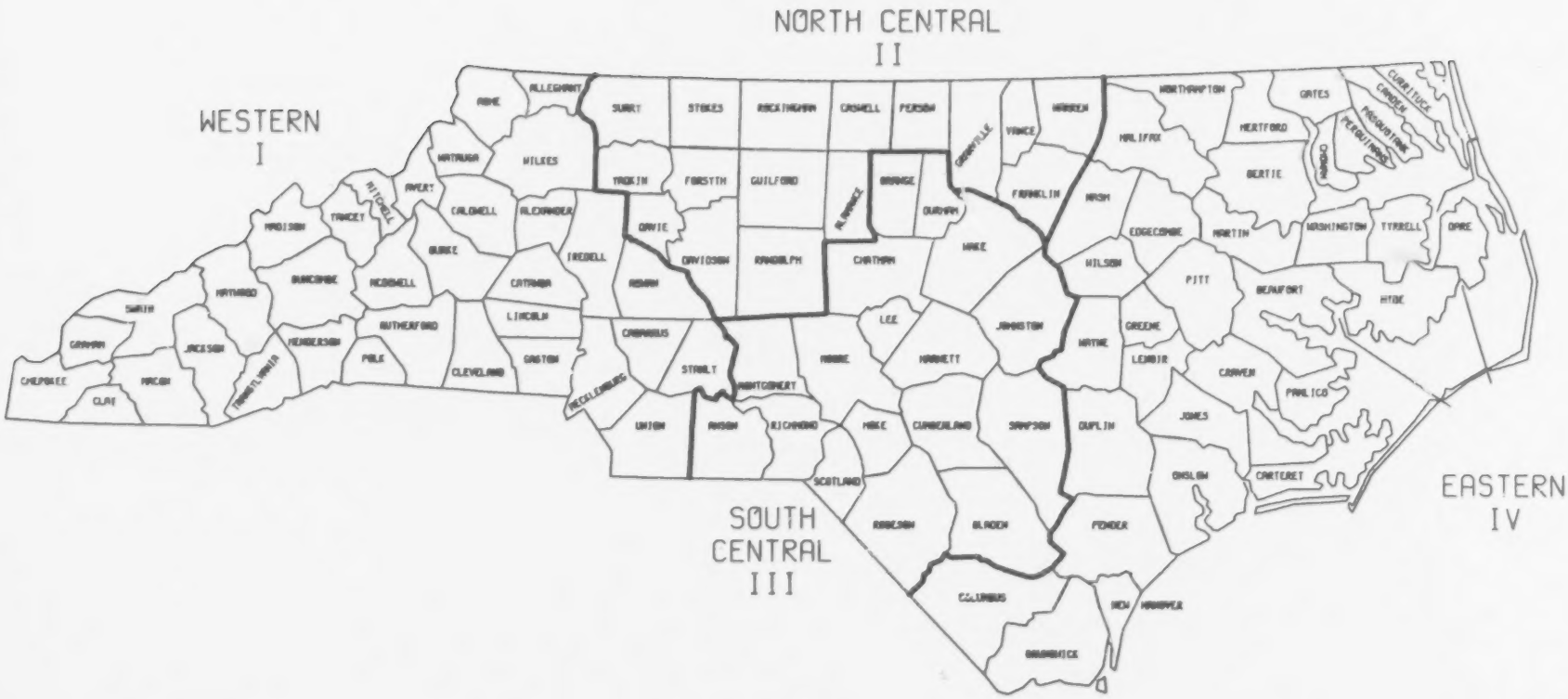
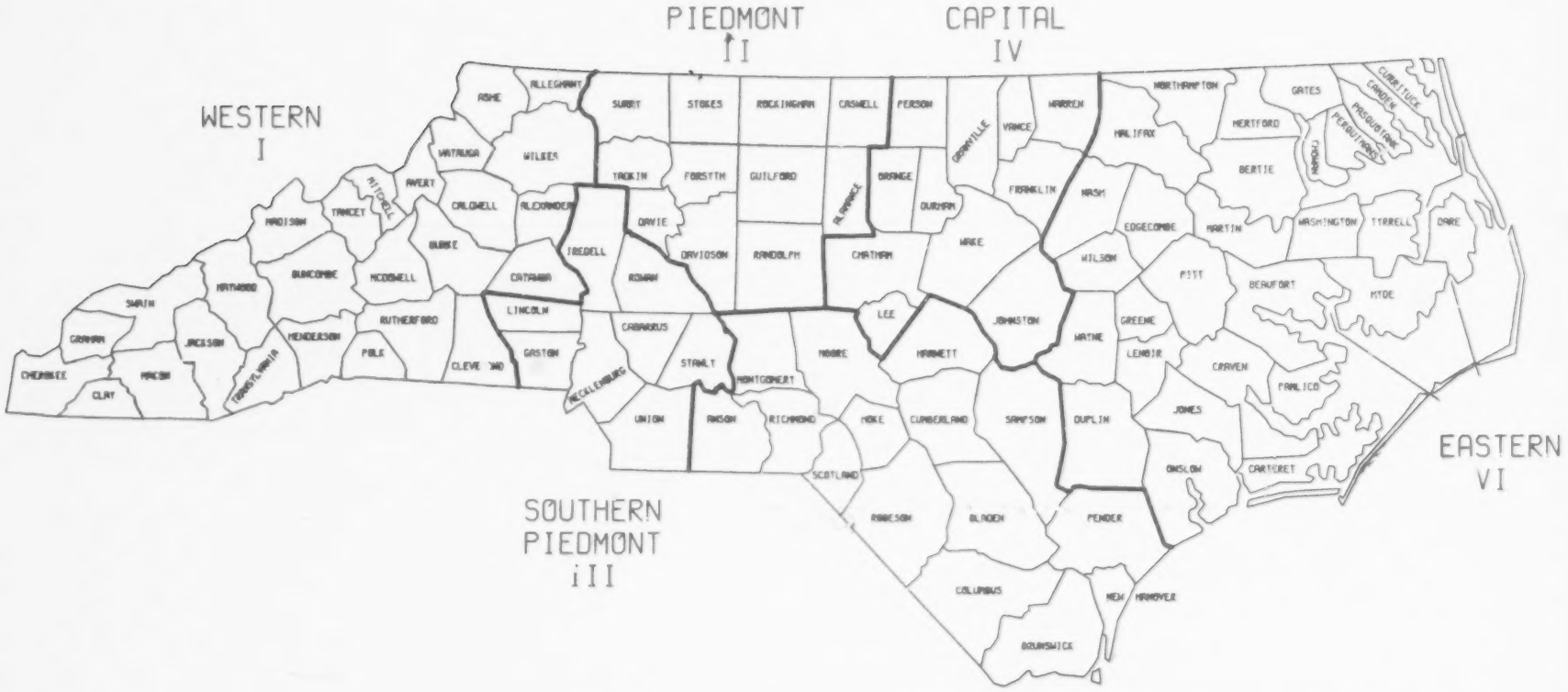
NORTH CAROLINA DHR REGIONS



NORTH CAROLINA HEALTH SERVICE AREAS



PREFACE

The State Center for Health Statistics has produced triennially a major publication describing North Carolina's mortality experience for a five-year period. Such a publication was due for 1975-79 data, but the change in 1979 from the Eighth to the Ninth Revision of the International Classification of Diseases made it undesirable to combine pre-1979 cause of death data with data for 1979 and later years. Changes in the cause-of-death classification system were described in detail in the abbreviated 1979 edition of this volume, where it was also explained that the standard format will be resumed in the 1981 edition with three-year rates (1979-81) replacing five-year rates. This edition of Leading Causes of Mortality for 1980 is also in an abbreviated format, showing single-year death rates. A major purpose of the present report is to assess how the death rates will change due to revisions of population counts by the 1980 Census. This assessment is contained in Section II of this volume.

The tables of this volume provide selected 1980 mortality statistics for counties, Department of Human Resources Regions, Health Service Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables; in addition, various cancer sites and total infant mortality are included. Table B on page 10 describes the cause-of-death categories in terms of codes from the Ninth Revision of the International Classification of Diseases.

Multiple conditions present at death for 1979 and 1980 will be portrayed in a special publication, and 1981 multiple conditions data will be resumed in the standard 1981 volume.

In using this volume, particular attention is called to the caution at the end of Section I.

I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-26 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 27 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population estimates for the rates of this report were provided by the Office of State Budget and Management of the North Carolina Department of Administration. These population estimates are based on final April 1, 1980 census figures for the county totals, with the sex breakouts derived by applying sex distribution projections to the census county totals.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The reader is strongly cautioned against placing too much faith in the one-year death rates in this volume. For a specific county and cause, where the numbers are small, there may be large random fluctuations from year to year that do not comprise a significant trend. A useful rule is that any rate based on fewer than 20 deaths in the numerator will have a 95 percent confidence interval which is about as wide as the rate itself (1). This means that all we could

confidently say about an area with 20 deaths out of, for example, 10,000 population is that the true rate is between 10 and 30 deaths per 10,000 population (or 100 and 300 deaths per 100,000). Multi-year rates are preferred in assessing patterns and trends at this level, but more than two years of data are not yet available due to the change in the disease classification system. It was considered more desirable to cautiously publish one-year data than to publish none at all.

II. CHANGES IN MORTALITY RATES DUE TO REVISION OF POPULATION COUNTS BY THE 1980 CENSUS

Every ten years (years ending in zero) the U.S. Bureau of the Census has conducted a count of the United States population, which includes a profile of the population's characteristics such as age, race, and sex. After a census year, estimates of population size and composition must be made based on knowledge of the population in the Census year plus subsequent events such as births, deaths, and migration. In the later years of a decade, estimates may depart considerably from the "true" population values, to the extent that assumptions particularly about in- and out-migration depart from what has actually occurred. Thus an estimate of the 1979 population of North Carolina based on a projection from 1970 may differ from an estimate of the 1979 population based on knowledge of a more current (1980) census count. Since almost all mortality rates in SCHS publications are based on population counts in the denominator, changes in estimates of population such as might result from a new census could cause substantial changes in the trend of rates over time.

To complicate the problem even further it is generally acknowledged that there was an under-count of the population of North Carolina in the 1970 census, particularly among nonwhites. Thus projections for later years will also tend to be low, and rates based on these population projections will be correspondingly high. Changing to the use of 1980 census figures for rate denominators will therefore by itself cause a decrease in rates from 1979 to 1980, to the extent that the 1980 census figures are higher than 1980 projections based on the 1970 census. To assess the effects of the changed population base, we have compared

TABLE A

PERCENT DIFFERENCE BETWEEN
1980 VITAL RATES USING 1980 CENSUS COUNTS IN THE DENOMINATOR
AND 1980 VITAL RATES USING 1980 POPULATION PROJECTIONS IN THE DENOMINATOR:
((CENSUS - PROJECTION) / PROJECTION) X 100

	TOTAL	WHITE	NONWHITE	MALE	FEMALE	WHITE MALE	WHITE FEMALE	NONWHITE MALE	NONWHITE FEMALE
ALAMANCE	0.9	3.0	-7.8	0.9	0.8	3.0	3.0	-7.8	-7.7
ALEXANDER	-6.2	-7.9	16.3	-6.3	-6.2	-8.0	-7.9	16.4	16.2
ALLEGHANY	-4.5	-4.4	-7.2	-4.6	-4.4	-4.5	-4.4	-8.8	-6.1
ANSON	-5.2	-1.5	-9.3	-5.1	-5.3	-1.5	-1.6	-9.2	-9.3
ASHE	-7.4	-7.3	-12.3	-7.4	-7.3	-7.4	-7.3	-11.4	-13.2
AVERY	1.8	2.4	-46.9	1.8	1.8	2.4	2.4	-46.7	-47.2
BEAUFORT	0.9	-3.1	9.6	0.9	1.0	-3.2	-3.1	9.7	9.5
BERTIE	1.3	14.3	-7.6	1.2	1.3	14.2	14.3	-7.7	-7.5
BLADEN	-1.7	1.4	-6.4	-1.7	-1.7	1.3	1.4	-6.3	-6.4
BRUNSWICK	1.7	1.3	2.9	1.6	1.8	1.2	1.5	2.9	2.9
BUNCOMBE	-3.8	-3.4	-7.2	-3.8	-3.7	-3.5	-3.4	-7.1	-7.3
BURKE	-8.8	-8.2	-15.9	-8.9	-8.8	-8.3	-8.1	-15.8	-15.9
CABARRUS	-5.9	-6.6	-2.3	-6.0	-5.9	-6.6	-6.5	-2.3	-2.3
CALDWELL	-8.2	-8.6	-1.8	-8.3	-8.1	-8.6	-8.5	-2.0	-1.8
CAMDEN	0.4	-3.7	9.0	0.1	0.6	-3.8	-3.6	8.6	9.3
CARTERET	-5.3	-6.2	3.0	-5.3	-5.2	-6.2	-6.2	2.9	3.0
CASWELL	-4.7	-10.2	2.5	-4.6	-4.7	-10.2	-10.2	2.5	2.5
CATAWBA	-1.3	-0.4	-9.1	-1.3	-1.2	-0.5	-0.4	-9.1	-9.1
CHATHAM	-7.4	-9.0	-3.1	-7.4	-7.3	-9.0	-9.0	-3.0	-3.1
CHEROKEE	-4.5	-4.2	-11.9	-4.6	-4.4	-4.4	-4.1	-12.8	-11.2
CHOWAN	-4.8	-6.4	-2.7	-4.8	-4.9	-6.4	-6.4	-2.5	-2.8
CLAY	-12.9	-13.2	36.7	-13.0	-12.7	-13.3	-13.2	10.0	78.9
CLEVELAND	-3.5	-1.5	-11.1	-3.5	-3.6	-1.5	-1.5	-11.1	-11.1
COLUMBUS	3.9	4.3	3.1	3.9	3.9	4.3	4.3	3.1	3.1
CRAVEN	0.2	1.7	-3.4	0.7	-0.2	2.1	1.5	-3.3	-3.5
CUMBERLAND	-0.2	8.4	-15.6	0.6	-1.2	9.1	7.5	-15.4	-15.8
CURRITUCK	3.1	2.2	7.6	3.2	3.0	2.2	2.2	7.8	7.5
DARE	-16.8	-17.1	-13.5	-16.9	-16.8	-17.2	-17.0	-13.4	-13.7
DAVIDSON	-7.6	-6.3	-19.3	-7.6	-7.6	-6.3	-6.2	-19.2	-19.3
DAVIE	-6.2	-4.3	-22.1	-6.3	-6.2	-4.4	-4.3	-22.1	-22.1
DUPLIN	-0.4	0.4	-1.8	-0.4	-0.4	0.3	0.4	-1.7	-1.8
DURHAM	-3.0	-3.8	-1.7	-3.1	-3.0	-3.8	-3.8	-1.8	-1.6
EDGECOMBE	-0.1	3.2	-3.2	0.0	-0.2	3.1	3.2	-3.2	-3.3
FORSYTH	-4.0	-2.6	-8.4	-4.0	-4.1	-2.6	-2.5	-8.4	-8.5
FRANKLIN	-4.7	0.1	-11.5	-4.7	-4.7	0.0	0.1	-11.4	-11.6
GASTON	-2.1	-1.6	-5.6	-2.1	-2.1	-1.6	-1.6	-5.5	-5.6
GATES	-7.1	3.4	-16.6	-7.4	-6.8	3.4	3.4	-16.7	-16.4
GRAHAM	-4.0	-4.1	-3.6	-4.1	-4.0	-4.1	-4.0	-3.6	-3.6
GRANVILLE	-3.8	4.7	-14.4	-3.9	-3.7	4.7	4.8	-14.5	-14.4
GREENE	-8.3	-3.9	-13.6	-8.4	-8.3	-4.0	-3.8	-13.6	-13.6
GUILFORD	-1.8	0.2	-7.6	-1.9	-1.8	0.1	0.3	-7.6	-7.6
HALIFAX	0.6	-2.3	3.6	0.6	0.7	-2.3	-2.3	3.7	3.5
HARNETT	-4.6	2.5	-26.2	-4.4	-4.8	2.6	2.5	-26.2	-26.2
HAYWOOD	-4.3	-4.5	3.3	-4.4	-4.3	-4.5	-4.4	3.7	3.0
HENDERSON	-9.1	-9.0	-12.5	-9.2	-9.0	-9.1	-8.9	-12.6	-12.3
HERTFORD	4.8	13.9	-2.4	4.7	4.8	14.0	13.9	-2.4	-2.5
HOKE	-4.9	0.5	-9.1	-4.9	-5.0	0.5	0.6	-9.1	-9.1

Table A (continued)

HYDE	-1.3	2.6	-8.2	-1.2	-1.4	2.5	2.6	-8.0	-8.4
IREDELL	-2.7	-3.0	-1.5	-2.7	-2.7	-3.0	-2.9	-1.5	-1.5
JACKSON	1.8	3.1	-7.3	1.9	1.8	3.1	3.0	-7.4	-7.3
JOHNSTON	-4.1	-3.8	-5.2	-4.1	-4.1	-3.8	-3.8	-5.2	-5.2
JONES	-1.5	6.2	-11.5	-1.5	-1.8	6.2	6.3	-11.5	-11.6
LEE	-2.7	-3.1	-1.0	-2.7	-2.6	-3.2	-3.1	-1.0	-1.1
LENOIR	1.8	-0.3	5.2	1.7	1.9	-0.4	-0.3	5.2	5.2
LINCOLN	-5.9	-5.9	-5.7	-6.0	-5.8	-6.0	-5.9	-5.8	-5.5
MCDOWELL	-0.3	0.1	-8.7	-0.4	-0.3	0.0	0.1	-8.5	-8.8
MACON	-1.7	-0.9	-36.7	-2.0	-1.5	-1.0	-0.9	-36.3	-37.2
MADISON	3.9	4.4	-41.9	3.6	4.1	4.3	4.5	-43.7	-39.8
MARTIN	-1.3	3.1	-6.9	-1.4	-1.3	3.1	3.2	-6.8	-6.9
MECKLENBURG	-2.1	0.0	-7.7	-2.1	-2.1	-0.1	0.1	-7.7	-7.7
MITCHELL	-1.7	-1.4	-51.3	-1.8	-1.6	-1.4	-1.3	-52.3	-50.0
MONTGOMERY	-12.8	-12.8	-13.1	-12.8	-12.9	-12.8	-12.8	-12.9	-13.3
MOORE	-10.2	-10.1	-10.4	-10.2	-10.2	-10.2	-10.1	-10.4	-10.4
NASH	3.0	3.9	1.2	3.0	3.0	3.8	3.9	1.3	1.2
NEW HANOVER	-0.6	-3.2	8.3	-0.8	-0.5	-3.2	-3.2	8.4	8.2
NORTHAMPTON	2.6	1.6	3.3	2.7	2.6	1.8	1.4	3.3	3.3
ONSLOW	7.0	14.1	-15.2	7.6	6.0	14.8	12.9	-14.8	-15.9
ORANGE	-4.2	-3.2	-8.5	-4.0	-4.4	-3.0	-3.4	-8.5	-8.4
PAMLICO	-5.7	-7.3	-2.4	-5.8	-5.6	-7.4	-7.2	-2.4	-2.4
PASQUOTANK	2.5	2.1	3.1	2.5	2.4	2.2	1.9	3.1	3.2
PENDER	1.6	6.3	-5.6	1.6	1.7	6.2	6.4	-5.7	-5.6
PERQUIMANS	-5.9	-11.3	3.0	-6.0	-5.7	-11.5	-11.1	3.1	2.9
PERSON	-6.0	-0.7	-17.2	-6.1	-6.0	-0.8	-0.7	-17.2	-17.3
PITT	-1.9	-0.1	-5.3	-1.9	-1.9	-0.1	-0.0	-5.3	-5.3
POLK	1.0	0.4	7.6	1.0	1.1	0.3	0.4	8.0	7.4
RANDOLPH	-5.4	-4.9	-11.9	-5.4	-5.4	-4.9	-4.9	-11.9	-12.0
RICHMOND	-6.9	-7.9	-4.3	-6.9	-6.9	-7.9	-7.9	-4.3	-4.4
ROBESON	-3.9	-1.8	-5.3	-3.9	-3.9	-1.8	-1.8	-5.3	-5.3
ROCKINGHAM	-6.1	-4.0	-14.0	-6.1	-6.1	-4.0	-3.9	-14.0	-14.0
ROWAN	-5.4	-4.9	-8.5	-5.5	-5.4	-4.9	-4.8	-8.5	-8.5
RUTHERFORD	-2.3	0.6	-22.9	-2.4	-2.2	0.6	0.7	-22.8	-23.0
SAMPSON	0.5	-0.6	2.5	0.5	0.6	-0.7	-0.5	2.5	2.5
SCOTLAND	-3.5	0.3	-8.7	-3.4	-3.6	0.3	0.3	-8.7	-8.8
STANLY	-5.4	-3.2	-21.7	-5.4	-5.4	-3.2	-3.2	-21.7	-21.6
STOKES	-6.3	-5.2	-19.3	-6.4	-6.2	-5.3	-5.1	-19.5	-19.0
SURRY	-3.5	-3.1	-12.3	-3.5	-3.6	-3.1	-3.0	-12.1	-12.5
SWAIN	5.4	2.3	14.3	5.9	4.9	2.3	2.3	14.5	14.1
TRANSYLVANIA	-4.2	-3.7	-11.6	-4.3	-4.0	-3.8	-3.6	-11.6	-11.7
TYRRELL	-0.1	2.5	-4.1	0.0	-0.1	2.6	2.5	-4.0	-4.2
UNION	-5.1	-4.3	-9.1	-5.1	-5.1	-4.3	-4.3	-9.0	-9.2
VANCE	-5.6	-0.8	-12.0	-5.7	-5.6	-0.8	-0.7	-11.9	-12.0
WAKE	-2.8	-2.4	-4.4	-2.8	-2.9	-2.3	-2.4	-4.3	-4.4
WARREN	6.4	4.5	7.5	6.5	6.4	4.5	4.5	7.6	7.5
WASHINGTON	3.9	10.0	-3.9	4.0	3.8	9.9	10.0	-3.9	-4.0
WATAUGA	-3.1	-2.4	-45.3	-3.2	-3.1	-2.4	-2.3	-45.3	-45.4
WAYNE	-4.1	-6.8	1.3	-4.1	-4.0	-6.7	-6.9	1.4	1.2
WILKES	-3.0	-2.9	-5.8	-3.1	-2.9	-2.9	-2.8	-6.0	-5.7
WILSON	-1.7	2.9	-9.7	-1.5	-1.9	2.9	2.9	-9.7	-9.7
YADKIN	-1.9	-0.8	-21.1	-2.1	-1.7	-0.9	-0.8	-21.3	-20.9
YANCEY	0.8	-0.0	52.8	1.4	0.2	0.0	-0.1	55.3	42.2
NORTH CAROLINA	-2.7	-1.6	-6.2	-2.6	-2.8	-1.5	-1.8	-6.4	-6.1

for each county rates using the 1980 census counts as denominators to rates using the same numerators but employing 1980 population projections as the denominator. Both population figures (census and projection) are for April 1, 1980. The census counts are the numbers used to compute the rates in Tables 1-26 of this volume. The 1980 projections are from the same series of projections based on the 1970 census as the numbers used for denominators in 1979, 1978, and earlier publications. Thus the percent difference between the two rates is the amount of change in a rate from an earlier year to 1980 that would be due to switching denominators. These percent differences are shown in Table A and will be the same regardless of the size of the numerator (number of deaths) in any particular rate. These percent differences pertain to mortality rates in this context but would also apply to any rate using these population figures as denominators.

As Table A shows, using 1980 census population in the denominator causes a 2.7 percent decrease for vital rates for North Carolina as a whole. For nonwhites the decrease is 6.2 percent, compared to 1.6 percent for whites. Changes are also shown for sex and race-sex groups. A rate based on female population, for example, such as the death rate for cervical cancer, will decrease by 2.8 percent as a result of changing to the census population in the denominator. It should be mentioned that while the population totals and the breakouts by race are final census figures, the sex distributions used here are based on projections since the final census population by sex was not available at the publication of this volume.

Though the effect on mortality rates of using census population in the denominator is not great for the state as a whole, there is a tremendous variation by county. In general, the census figures are higher than the projections,

causing a decrease in the rates, and the decrease for nonwhites is generally much greater than that for whites. In Mitchell County, for example, any vital rate for nonwhites would decrease by over 50 percent from 1979 to 1980 only as a result of using the 1980 census population in the denominator rather than a population projection from 1970. Thus a seemingly major downturn in mortality would in fact be a statistical artifact. In those counties where the change is great for nonwhites, the nonwhites are generally few in number and a small percent of the population (as in western N.C. counties). Counties where there is a decrease in nonwhite vital rates of over 10 percent as a result of using census population were highlighted in Table 3 of SCHS Statistical Primer, Vol. 1, No. 2. Slight differences between some of the percent decreases shown there and those shown here in Table A are due primarily to minor revisions in the census figures since that publication. Some counties, on the other hand, would experience an increase in rates as a result of using the census population; Yancey County's projected 1980 nonwhite population was 356, compared to the census count of 233, which causes an increase in rates of 52.8 percent when the census figure is used in the denominator rather than the projection. Though death rates by race are not shown in this volume, they can be derived from our Detailed Mortality Statistics volumes and corresponding county printouts or microfiche, plus the population bases.

Users of SCHS publications for 1979 and prior years must be aware of these biases when looking at trends in mortality rates to 1980 and later years, particularly when analysis is at the county level or for the nonwhite population. For Dare County, for example (see Table A), to trace the death rate from 1975 to 1980 using SCHS publications, one should decrease the 1975 and other pre - 1980 rates by 16.8 percent in order to make these rates more comparable to the 1980 rate. An alternative would be to recompute the 1975 rate using a 1975 population

estimate based on 1980 census information (though these estimates are not yet available from the Division of State Budget and Management). Differences of less than 5 percent in Table A can probably be ignored since the rates themselves are subject to some error (the smaller the numerator the larger the error). But where the differences are ten percent or more, the user should definitely make adjustments when looking at trends from the 1970's to 1980 and beyond.

Changes in population estimates thus represent a second recent source of discontinuity in mortality rates over time. The change in the disease classification system from 1978 to 1979 was described in the 1979 Leading Causes of Mortality.

III. NORTH CAROLINA MORTALITY PATTERNS AND TRENDS

This is an abbreviated portrayal of North Carolina mortality patterns and trends similar to that in the 1979 Leading Causes of Mortality volume (see PREFACE). Only 1980 data are shown in this volume, and mortality rates based on just one year of information may be unstable. Conclusions about trends based on single-year rates may thus be invalid. In the 1981 Leading Causes of Mortality volume we will use three years of mortality information under the 9th revision of the ICD (1979-1981) to compute rates based on the census population for purposes of looking at longer term trends in mortality. In that analyis of trends it will be important to adjust for discontinuities due to revision of the ICD in 1979 and due to revision of population bases as discussed in the preceding section. In the present section we will just examine 1980 death rates by cause and changes from 1979 to 1980.

In the 1979 Leading Causes of Mortality some significant race-sex differentials in mortality were pointed out. We do not expect that this picture has changed very much in one year. In the 1981 volume we will examine these differentials using the three-year rates and also look at trends in these race-sex differentials.

Table B shows numbers of deaths of North Carolina residents in 1980 by cause and also death rates for 1980. Again, heart disease, cancer, and cerebrovascular disease are the leading causes of death. In looking at changes in death rates from 1979 to 1980 (shown in Table B) it is not necessary to adjust for classification changes since in both years deaths were recorded under the 9th revision of the ICD. An adjustment has been made, however, for the fact that the

TABLE B

MORTALITY STATISTICS FOR 1980 and

PERCENT CHANGE IN DEATH RATES 1979-1980

NORTH CAROLINA RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases		No. of Deaths 1980	Death Rate* 1980	Percent Change In Death Rate ** 1979-1980
All Causes		48,426	8.2	1.8
Diseases of Heart	(390-398,402,404-429)	17,579	299.2	-0.6
Acute Myocardial Infarction	(410)	8,008	136.3	-2.8
Other Forms of Ischemic Heart Disease	(411-414)	4,769	81.2	-0.4
Hypertension with or without Renal Disease	(401,403)	243	4.1	2.8
Cerebrovascular Disease	(430-438)	4,760	81.0	-0.4
Atherosclerosis	(440)	568	9.7	-3.2
Cancer	(140-208)	9,698	165.1	4.5
Stomach	(151)	274	4.7	-8.9
Colon, Rectum and Anus	(153,154)	1,038	17.7	-1.1
Pancreas	(157)	532	9.1	14.1
Trachea, Bronchus, and Lung	(162)	2,374	40.4	4.6
Female Breast	(174)	788	26.0	4.1
Cervix Uteri	(180)	164	5.4	29.2
Ovary and other Uterine Adnexa	(183)	231	7.6	-2.3
Prostate	(185)	616	21.7	5.1
Leukemia	(204-208)	393	6.7	2.8
Diabetes Mellitis	(250)	866	14.7	5.6
Pneumonia and Influenza	(480-487)	1,259	21.4	17.0
Chronic Obstructive Pulmonary Disease and Allied Conditions	(490-496)	1,221	20.8	10.2
Chronic Liver Disease and Cirrhosis	(571)	715	12.2	-1.3
Nephritis, Nephrotic Syndrome, & Nephrosis	(580-589)	479	8.2	6.7
Motor Vehicle Accidents	(810-825)	1,570	26.7	0.1
All Other Accidents and Adverse Effects	(800-807, 826-949)	1,592	27.1	3.2
Suicide	(950-959)	657	11.2	-7.9
Homicide	(960-978)	669	11.4	-1.5

*See Section I

**1979 rate (from 1979 Leading Causes of Mortality) has been adjusted downward by 2.7 percent (2.6 percent for male cancer sites and 2.8 for female) before computing percent change in order to correct for discontinuities in population bases from 1979 to 1980 (see last row of Table A of this volume). This type of adjustment would be more important when comparing rates for many counties and for nonwhites.

1979 published rates were based on population projections whereas the 1980 rates are based on census population. One should be wary of making conclusions about mortality trends on the basis of one-year rates, especially at the county level, but some interesting directions are suggested for the state as a whole in Table B. After adjusting the 1979 crude death rate downward by 2.7 percent to account for the increase in the census count over the projected population, the crude death rate exhibited a slight increase from 1979 to 1980. Heart disease changed very little while the cancer death rate continued to increase. Cancer of the pancreas increased by 14 percent and cancer of the cervix uteri increased by almost 30 percent in just one year. Pneumonia and influenza and chronic obstructive pulmonary disease increased by more than ten percent from 1979 to 1980. A death rate would have to have about 400 deaths in the numerator for a 10 percent increase in the rate to be statistically significant at the 95 percent confidence level. So we are reasonably sure that the death rate increases for cancer of the pancreas, pneumonia and influenza, and chronic obstructive pulmonary disease represent real increases.

Regarding the cervical cancer death rate, with 124 deaths in the numerator (1979), an increase in the rate of 18.0 percent would be statistically significant at the 95 percent confidence level; thus the 29.2 percent increase from 1979 to 1980 is a substantial change that we would not expect to occur by chance. Several potential sources of change due to coding differences between the two years have been examined, and the increase does not appear to be a result of these classification factors. Both the number of deaths due to cancer of the cervix and the death rate decreased consistently from at least 1963 (257 deaths) to 1979 (124 deaths), so the increase from 1979 to 1980 could mean the end of a longstanding trend of improvement. The increase in cervical cancer deaths from 1979 to 1980

was heavily concentrated among nonwhites: white deaths increased from 77 to 80, while the number of nonwhite deaths from this cause went up 84 percent from 47 to 84.

This increase in the deaths of North Carolina residents from cancer of the cervix may represent the cessation of a downward trend, and is a potential source of concern to the health care community. The Division of Health Services will continue to investigate these events and to examine future patterns of mortality. A report on the findings of this study will be published at a later date.

IV. TABLES: MORTALITY STATISTICS FOR 1980

TABLE 1

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

TOTAL DEATHS (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	48426	8.24
REGIONS		
DHR I WESTERN	16687	8.29
DHR II N. CENTRAL	10551	8.36
DHR III S. CENTRAL	10372	7.64
DHR IV EASTERN	10816	8.69
HSA I WESTERN	8723	8.57
HSA II PIEDMONT	9005	8.07
HSA III S. PIEDMONT	7964	7.99
HSA IV CAPITAL	6631	8.11
HSA V CARDINAL	7202	8.02
HSA VI EASTERN	8901	8.62
COUNTIES		
1 ALAMANCE	859	8.66
2 ALEXANDER	181	7.24
3 ALLEGHANY	104	10.84
4 ANSON	261	10.21
5 ASHE	211	9.45
6 AVERY	111	7.70
7 BEAUFORT	459	11.39
8 BERTIE	250	11.89
9 BLADEN	307	10.08
10 BRUNSWICK	338	9.44
11 BUNCOMBE	1603	9.96
12 BURKE	548	7.55
13 CABARRUS	802	9.33
14 CALDWELL	481	7.09
15 CAMDEN	56	9.60
16 CARTERET	330	8.03
17 CASWELL	187	9.03
18 CATAWBA	771	7.32
19 CHATHAM	262	7.84
20 CHEROKEE	171	9.03
21 CHOWAN	149	11.86
22 CLAY	60	9.06
23 CLEVELAND	702	8.41
24 COLUMBUS	499	9.77
25 CRAVEN	478	6.72
26 CUMBERLAND	1245	5.03
27 CURRITUCK	106	9.56
28 DARE	119	8.89
29 DAVIDSON	802	7.08
30 DAVIE	189	7.68
31 DUPLIN	381	9.30
32 DURHAM	1294	8.46
33 EDGECOMBE	505	9.01
34 FORSYTH	2015	8.26
35 FRANKLIN	314	10.44
36 GASTON	1342	8.25
37 GATES	88	9.91
38 GRAHAM	56	7.76
39 GRANVILLE	367	10.79
40 GREENE	120	7.44
41 GUILFORD	2535	7.99
42 HALIFAX	586	10.59
43 HARNETT	503	8.44
44 HAYWOOD	427	9.18
45 HENDERSON	613	10.46
46 HERTFORD	224	9.58
47 HOKE	142	6.96
48 HYDE	58	9.87
49 IREDELL	679	8.22
50 JACKSON	178	6.89
51 JOHNSTON	737	10.43
52 JONES	94	9.68
53 LEE	387	10.54
54 LENOIR	572	9.56
55 LINCOLN	358	8.44
56 MCDOWELL	249	7.08
57 MACON	216	10.70
58 MADISON	164	9.74
59 MARTIN	268	10.32
60 MECKLENBURG	2891	7.15
61 MITCHELL	154	10.67
62 MONTGOMERY	241	10.72
63 MOORE	554	10.96
64 NASH	650	9.67
65 NEW HANOVER	870	8.40
66 NORTHAMPTON	252	11.15
67 ONSLOW	445	3.94
68 ORANGE	453	5.87
69 PAMLICO	117	11.25
70 PASQUOTANK	258	9.06
71 PENDER	208	9.36
72 PERQUIMANS	92	9.70
73 PERSON	279	9.56
74 PITT	666	7.96
75 POLK	159	12.24
76 RANDOLPH	653	7.10
77 RICHMOND	454	9.98
78 ROBESON	846	8.32
79 ROCKINGHAM	763	9.14
80 ROWAN	947	9.54
81 RUTHERFORD	495	9.20
82 SAMPSON	457	9.19
83 SCOTLAND	277	8.58
84 STANLY	438	9.02
85 STOKES	240	7.25
86 SURRY	518	8.71
87 SWAIN	109	10.60
88 TRANSYLVANIA	158	6.74
89 TYRRELL	45	11.32
90 UNION	507	7.20
91 VANCE	401	10.91
92 WAKE	1952	6.48
93 WARREN	185	11.39
94 WASHINGTON	150	10.13
95 WATAUGA	200	6.31
96 WAYNE	778	8.01
97 WILKES	483	8.23
98 WILSON	605	9.58
99 YADKIN	244	8.57
100 YANCEY	119	7.96

* SEE SECTION I

TABLE 2

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

DISEASES OF HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	17579	299.24
REGIONS		
DHR I WESTERN	6236	309.81
DHR II N. CENTRAL	3836	304.22
DHR III S. CENTRAL	3688	271.87
DHR IV EASTERN	3819	306.95
HSA I WESTERN	3329	327.30
HSA II PIEDMONT	3246	291.20
HSA III S. PIEDMONT	2907	291.94
HSA IV CAPITAL	2394	292.81
HSA V CARDINAL	2550	284.09
HSA VI EASTERN	3153	305.61
COUNTIES		
1 ALAMANCE	321	323.80
2 ALEXANDER	64	256.01
3 ALLEGHANY	38	396.32
4 ANSON	97	379.48
5 ASHE	78	349.36
6 AVERY	55	381.89
7 BEAUFORT	157	389.90
8 BERTIE	89	423.32
9 BLADEN	119	390.81
10 BRUNSWICK	128	357.83
11 BUNCOMBE	610	379.04
12 BURKE	200	275.84
13 CABARRUS	315	366.73
14 CALDWELL	175	258.31
15 CAMDEN	25	428.74
16 CARTERET	145	352.89
17 CASWELL	80	386.39
18 CATAWBA	275	261.38
19 CHATHAM	104	311.20
20 CHEROKEE	56	295.79
21 CHOWAN	37	294.67
22 CLAY	34	513.44
23 CLEVELAND	292	349.98
24 COLUMBUS	156	305.66
25 CRAVEN	154	216.76
26 CUMBERLAND	398	161.02
27 CURRITUCK	34	306.69
28 DARE	54	403.70
29 DAVIDSON	232	258.03
30 DAVIE	70	284.54
31 DUPLIN	130	317.45
32 DURHAM	455	297.81
33 EDGECOMBE	183	326.85
34 FORSYTH	759	311.47
35 FRANKLIN	121	402.58
36 GASTON	517	318.02
37 GATES	36	405.58
38 GRAHAM	20	277.23
39 GRANVILLE	143	420.66
40 GREENE	44	273.00
41 GUILFORD	876	276.20
42 HALIFAX	210	379.84
43 HARNETT	217	364.26
44 HAYWOOD	160	344.13
45 HENDERSON	232	396.03
46 HERTFORD	80	342.39
47 HOKE	45	220.82
48 HYDE	22	374.59
49 IREDELL	248	300.47
50 JACKSON	74	286.69
51 JOHNSTON	310	439.11
52 JONES	40	412.24
53 LEE	147	400.37
54 LENOIR	200	334.33
55 LINCOLN	146	344.57
56 MCDOWELL	103	293.16
57 MACON	81	401.36
58 MADISON	57	338.78
59 MARTIN	104	400.80
60 MECKLENBURG	981	242.66
61 MITCHELL	58	401.96
62 MONTGOMERY	96	427.25
63 MOORE	209	413.82
64 NASH	215	320.17
65 NEW HANOVER	304	293.80
66 NORTHAMPTON	91	402.94
67 ONSLOW	141	125.00
68 ORANGE	135	175.19
69 PAMLICO	50	480.86
70 PASQUOTANK	103	361.88
71 PENDER	78	351.12
72 PERQUIMANS	27	284.75
73 PERSON	112	384.00
74 PITT	241	288.10
75 POLK	66	508.43
76 RANDOLPH	222	241.67
77 RICHMOND	161	354.03
78 ROBESON	277	272.71
79 ROCKINGHAM	258	309.25
80 ROWAN	342	344.79
81 RUTHERFORD	184	342.08
82 SAMPSON	169	340.12
83 SCOTLAND	96	297.46
84 STANLY	175	360.67
85 STOKES	87	262.97
86 SURRY	197	331.36
87 SWAIN	36	350.19
88 TRANSYLVANIA	53	226.32
89 TYRRELL	18	452.83
90 UNION	183	260.02
91 VANCE	156	424.52
92 WAKE	653	217.06
93 WARREN	58	357.31
94 WASHINGTON	63	425.64
95 WATAUGA	80	252.55
96 WAYNE	268	276.14
97 WILKES	205	349.48
98 WILSON	192	304.11
99 YADKIN	84	295.36
100 YANCEY	43	287.95

* SEE SECTION I

TABLE 3

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	8008	136.32
REGIONS		
DHR I WESTERN	2937	145.91
DHR II N. CENTRAL	1801	142.83
DHR III S. CENTRAL	1604	118.24
DHR IV EASTERN	1666	133.90
HSA I WESTERN	1545	151.90
HSA II PIEDMONT	1529	137.16
HSA III S. PIEDMONT	1392	139.79
HSA IV CAPITAL	976	119.37
HSA V CARDINAL	1216	135.47
HSA VI EASTERN	1350	130.85
COUNTIES		
1 ALAMANCE	159	160.38
2 ALEXANDER	20	80.00
3 ALLEGHANY	24	250.31
4 ANSON	41	160.40
5 ASHE	43	192.60
6 AVERY	33	229.13
7 BEAUFORT	63	156.45
8 BERTIE	45	214.04
9 BLADEN	60	197.05
10 BRUNSWICK	62	173.32
11 BUNCOMBE	241	149.75
12 BURKE	109	150.33
13 CABARRUS	189	220.03
14 CALDWELL	92	135.79
15 CAMDEN	11	188.64
16 CARTERET	78	189.83
17 CASWELL	36	173.87
18 CATAWBA	160	152.07
19 CHATHAM	45	134.65
20 CHEROKEE	34	179.59
21 CHOWAN	14	111.50
22 CLAY	24	362.42
23 CLEVELAND	142	170.19
24 COLUMBUS	85	166.54
25 CRAVEN	65	91.49
26 CUMBERLAND	179	72.42
27 CURRITUCK	13	117.26
28 DARE	23	171.94
29 DAVIDSON	126	111.34
30 DAVIE	39	158.53
31 DUPLIN	80	195.35
32 DURHAM	194	126.97
33 EDGECOMBE	71	126.81
34 FORSYTH	335	137.47
35 FRANKLIN	75	249.53
36 GASTON	277	170.39
37 GATES	12	135.19
38 GRAHAM	11	152.48
39 GRANVILLE	50	147.08
40 GREENE	16	99.27
41 GUILFORD	387	122.02
42 HALIFAX	88	159.17
43 HARNETT	80	134.29
44 HAYWOOD	69	148.40
45 HENDERSON	98	167.29
46 HERTFORD	36	154.07
47 HOKE	22	107.95
48 HYDE	13	221.35
49 IREDELL	128	155.08
50 JACKSON	29	112.35
51 JOHNSTON	101	143.06
52 JONES	18	185.50
53 LEE	63	171.58
54 LENOIR	107	178.86
55 LINCOLN	81	191.16
56 MCDOWELL	47	133.77
57 MACON	36	178.38
58 MADISON	22	130.75
59 MARTIN	23	88.63
60 MECKLENBURG	325	80.39
61 MITCHELL	27	187.12
62 MONTGOMERY	57	253.68
63 MOORE	119	235.62
64 NASH	88	131.04
65 NEW HANOVER	129	124.67
66 NORTHAMPTON	41	181.54
67 ONSLOW	68	60.28
68 ORANGE	56	72.67
69 PAMLICO	25	240.43
70 PASQUOTANK	33	115.94
71 PENDER	40	180.06
72 PERQUIMANS	10	105.46
73 PERSON	49	168.00
74 PITT	84	100.41
75 POLK	27	207.99
76 RANDOLPH	120	130.63
77 RICHMOND	81	178.11
78 ROBESON	126	124.04
79 ROCKINGHAM	135	161.82
80 ROWAN	185	186.51
81 RUTHERFORD	83	154.30
82 SAMPSON	92	185.15
83 SCOTLAND	43	133.23
84 STANLY	101	208.16
85 STOKES	48	145.08
86 SURRY	97	163.15
87 SWAIN	19	184.82
88 TRANSYLVANIA	25	106.75
89 TYRRELL	11	276.72
90 UNION	106	150.61
91 VANCE	74	201.37
92 WAKE	245	81.44
93 WARREN	24	147.85
94 WASHINGTON	17	114.85
95 WATAUGA	49	154.69
96 WAYNE	112	115.40
97 WILKES	61	103.99
98 WILSON	85	134.63
99 YADKIN	47	165.26
100 YANCEY	20	137.93

* SEE SECTION I

TABLE 4

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

OTHER FORMS OF ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	4769	81.18
REGIONS		
DHR I WESTERN	1688	83.86
DHR II N. CENTRAL	968	76.77
DHR III S. CENTRAL	1076	79.32
DHR IV EASTERN	1037	83.34
HSA I WESTERN	911	89.56
HSA II PIEDMONT	864	77.50
HSA III S. PIEDMONT	777	78.03
HSA IV CAPITAL	677	82.80
HSA V CARDINAL	657	73.19
HSA VI EASTERN	883	85.58
COUNTIES		
1 ALAMANCE	109	109.95
2 ALEXANDER	21	84.00
3 ALLEGHANY	6	62.57
4 ANSON	33	129.10
5 ASHE	13	58.22
6 AVERY	10	69.43
7 BEAUFORT	26	64.57
8 BERTIE	16	76.10
9 BLADEN	21	68.96
10 BRUNSWICK	30	83.86
11 BUNCOMBE	213	132.35
12 BURKE	59	81.37
13 CABARRUS	67	78.00
14 CALDWELL	43	63.47
15 CAMDEN	9	154.34
16 CARTERET	15	36.50
17 CASWELL	28	135.23
18 CATAWBA	63	59.88
19 CHATHAM	33	98.74
20 CHEROKEE	11	58.10
21 CHOWAN	12	95.57
22 CLAY	3	45.30
23 CLEVELAND	40	47.94
24 COLUMBUS	36	70.53
25 CRAVEN	43	60.52
26 CUMBERLAND	111	44.90
27 CURRITUCK	11	99.22
28 DARE	13	97.18
29 DAVIDSON	88	77.76
30 DAVIE	17	69.10
31 DUPLIN	26	63.49
32 DURHAM	128	83.78
33 EDGECOMBE	58	103.59
34 FORSYTH	190	77.97
35 FRANKLIN	19	63.21
36 GASTON	125	76.89
37 GATES	14	157.72
38 GRAHAM	5	69.30
39 GRANVILLE	29	85.30
40 GREENE	17	105.47
41 GUILFORD	245	77.24
42 HALIFAX	67	121.18
43 HARNETT	73	122.54
44 HAYWOOD	52	111.84
45 HENDERSON	80	136.56
46 HERTFORD	15	64.19
47 HOKE	10	49.07
48 HYDE	3	51.08
49 IREDELL	68	82.38
50 JACKSON	14	54.24
51 JOHNSTON	134	189.81
52 JONES	13	133.97
53 LEE	40	108.94
54 LENOIR	48	80.24
55 LINCOLN	26	61.36
56 MCDOWELL	29	82.54
57 MACON	24	118.92
58 MADISON	16	95.09
59 MARTIN	33	127.17
60 MECKLENBURG	347	85.83
61 MITCHELL	11	76.23
62 MONTGOMERY	20	89.01
63 MOORE	45	89.10
64 NASH	65	96.79
65 NEW HANOVER	65	62.82
66 NORTHAMPTON	29	128.40
67 ONSLOW	39	34.57
68 ORANGE	34	44.12
69 PAMLICO	10	96.17
70 PASQUOTANK	36	126.48
71 PENDER	23	103.53
72 PERQUIMANS	8	84.37
73 PERSON	8	27.42
74 PITT	76	90.85
75 POLK	22	169.47
76 RANDOLPH	55	59.87
77 RICHMOND	53	116.54
78 ROBESON	88	86.63
79 ROCKINGHAM	53	63.52
80 ROWAN	69	69.56
81 RUTHERFORD	37	68.78
82 SAMPSON	32	64.40
83 SCOTLAND	17	52.67
84 STANLY	40	82.44
85 STOKES	24	72.54
86 SURRY	35	58.87
87 SWAIN	4	38.91
88 TRANSYLVANIA	11	46.97
89 TYRRELL	6	150.94
90 UNION	35	49.73
91 VANCE	25	68.03
92 WAKE	204	67.81
93 WARREN	23	141.69
94 WASHINGTON	15	101.34
95 WATAUGA	9	28.41
96 WAYNE	83	85.52
97 WILKES	102	173.89
98 WILSON	77	121.96
99 YADKIN	20	70.32
100 YANCEY	13	87.05

* SEE SECTION I

TABLE 5

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	243	4.13
REGIONS		
DHR I WESTERN	80	3.97
DHR II N. CENTRAL	40	3.17
DHR III S. CENTRAL	70	5.16
DHR IV EASTERN	53	4.25
HSA I WESTERN	30	2.94
HSA II PIEDMONT	31	2.78
HSA III S. PIEDMONT	50	5.02
HSA IV CAPITAL	37	4.52
HSA V CARDINAL	52	5.79
HSA VI EASTERN	43	4.16
COUNTIES		
1 ALAMANCE	1	1.00
2 ALEXANDER	0	0.00
3 ALLEGHANY	1	10.42
4 ANSON	4	15.64
5 ASHE	0	0.00
6 AVERY	0	0.00
7 BEAUFORT	3	7.45
8 BERTIE	2	9.51
9 BLADEN	1	3.28
10 BRUNSWICK	1	2.79
11 BUNCOMBE	5	3.10
12 BURKE	3	4.13
13 CABARRUS	1	1.16
14 CALDWELL	1	1.47
15 CAMDEN	0	0.00
16 CARTERET	1	2.43
17 CASWELL	1	4.82
18 CATAWBA	2	1.90
19 CHATHAM	3	8.97
20 CHEROKEE	3	15.84
21 CHOWAN	0	0.00
22 CLAY	0	0.00
23 CLEVELAND	3	3.59
24 COLUMBUS	5	9.79
25 CRAVEN	1	1.40
26 CUMBERLAND	18	7.28
27 CURRITUCK	0	0.00
28 DARE	0	0.00
29 DAVIDSON	1	0.88
30 DAVIE	0	0.00
31 DUPLIN	1	2.44
32 DURHAM	8	5.23
33 EDGECOMBE	1	1.78
34 FORSYTH	9	3.69
35 FRANKLIN	2	6.65
36 GASTON	10	6.15
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	5	14.70
40 GREENE	1	6.20
41 GUILFORD	8	2.52
42 HALIFAX	0	0.00
43 HARNETT	1	1.67
44 HAYWOOD	0	0.00
45 HENDERSON	3	5.12
46 HERTFORD	1	4.27
47 HOKE	1	4.90
48 HYDE	0	0.00
49 IREDELL	4	4.84
50 JACKSON	2	7.74
51 JOHNSTON	6	8.49
52 JONES	1	10.30
53 LEE	3	8.17
54 LENOIR	2	3.34
55 LINCOLN	2	4.72
56 MCDOWELL	0	0.00
57 MACON	3	14.86
58 MADISON	0	0.00
59 MARTIN	4	15.41
60 MECKLENBURG	23	5.68
61 MITCHELL	1	6.93
62 MONTGOMERY	4	17.80
63 MOORE	0	0.00
64 NASH	4	5.95
65 NEW HANOVER	4	3.86
66 NORTHAMPTON	2	8.85
67 ONSLOW	2	1.77
68 ORANGE	4	5.19
69 PAMLICO	0	0.00
70 PASQUOTANK	0	0.00
71 PENDER	0	0.00
72 PERQUIMANS	0	0.00
73 PERSON	0	0.00
74 PITT	4	4.78
75 POLK	1	7.70
76 RANDOLPH	3	3.26
77 RICHMOND	4	8.79
78 ROBESON	5	4.92
79 ROCKINGHAM	5	5.99
80 ROWAN	6	6.04
81 RUTHERFORD	0	0.00
82 SAMPSON	1	2.01
83 SCOTLAND	3	9.29
84 STANLY	0	0.00
85 STOKES	1	3.02
86 SURRY	2	3.36
87 SWAIN	0	0.00
88 TRANSYLVANIA	0	0.00
89 TYRRELL	0	0.00
90 UNION	4	5.68
91 VANCE	2	5.44
92 WAKE	4	1.32
93 WARREN	0	0.00
94 WASHINGTON	1	6.75
95 WATAUGA	0	0.00
96 WAYNE	12	12.36
97 WILKES	2	3.40
98 WILSON	0	0.00
99 YADKIN	0	0.00
100 YANCEY	0	0.00

* SEE SECTION I

TABLE 6

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	4760	81.02
REGIONS		
DHR I WESTERN	1544	76.70
DHR II N. CENTRAL	1064	84.38
DHR III S. CENTRAL	964	71.06
DHR IV EASTERN	1188	95.48
HSA I WESTERN	779	76.59
HSA II PIEDMONT	905	81.18
HSA III S. PIEDMONT	765	76.82
HSA IV CAPITAL	620	75.83
HSA V CARDINAL	702	78.20
HSA VI EASTERN	989	95.86
COUNTIES		
1 ALAMANCE	80	80.69
2 ALEXANDER	18	72.00
3 ALLEGHANY	12	125.15
4 ANSON	21	82.15
5 ASHE	17	76.14
6 AVERY	5	34.71
7 BEAUFORT	54	134.10
8 BERTIE	26	123.66
9 BLADEN	46	151.07
10 BRUNSWICK	19	53.11
11 BUNCOMBE	157	97.55
12 BURKE	40	55.16
13 CABARRUS	85	98.95
14 CALDWELL	34	50.18
15 CAMDEN	7	120.04
16 CARTERET	19	46.24
17 CASWELL	20	96.59
18 CATAWBA	90	85.54
19 CHATHAM	26	77.80
20 CHEROKEE	8	42.25
21 CHOWAN	16	127.42
22 CLAY	3	45.30
23 CLEVELAND	57	68.31
24 COLUMBUS	63	123.44
25 CRAVEN	55	77.41
26 CUMBERLAND	122	49.36
27 CURRITUCK	4	36.08
28 DARE	16	119.61
29 DAVIDSON	70	61.85
30 DAVIE	17	69.10
31 DUPLIN	50	122.09
32 DURHAM	134	87.70
33 EDGECOMBE	60	107.16
34 FORSYTH	193	79.20
35 FRANKLIN	36	119.77
36 GASTON	104	63.97
37 GATES	5	56.33
38 GRAHAM	4	55.44
39 GRANVILLE	27	79.42
40 GREENE	17	105.47
41 GUILFORD	251	79.14
42 HALIFAX	72	130.23
43 HARNETT	39	65.46
44 HAYWOOD	46	98.93
45 HENDERSON	54	92.18
46 HERTFORD	16	68.47
47 HOKE	16	78.51
48 HYDE	6	102.16
49 IREDELL	77	93.29
50 JACKSON	10	38.74
51 JOHNSTON	54	76.49
52 JONES	11	113.36
53 LEE	38	103.49
54 LENOIR	87	145.43
55 LINCOLN	42	99.12
56 MCDOWELL	21	59.77
57 MACON	16	79.28
58 MADISON	16	95.09
59 MARTIN	18	69.36
60 MECKLENBURG	253	62.58
61 MITCHELL	12	83.16
62 MONTGOMERY	20	89.01
63 MOORE	42	83.16
64 NASH	89	132.53
65 NEW HANOVER	93	89.88
66 NORTHAMPTON	30	132.83
67 ONSLOW	23	20.39
68 ORANGE	39	50.61
69 PAMLICO	10	96.17
70 PASQUOTANK	23	80.80
71 PENDER	24	108.03
72 PERQUIMANS	17	179.28
73 PERSON	27	92.57
74 PITT	78	93.24
75 POLK	20	154.07
76 RANDOLPH	79	86.00
77 RICHMOND	46	101.15
78 ROBESON	82	80.73
79 ROCKINGHAM	90	107.88
80 ROWAN	104	104.85
81 RUTHERFORD	58	107.83
82 SAMPSON	41	82.51
83 SCOTLAND	28	86.75
84 STANLY	51	105.11
85 STOKES	34	102.77
86 SURRY	34	57.18
87 SWAIN	11	107.00
88 TRANSYLVANIA	15	64.05
89 TYRRELL	4	100.62
90 UNION	49	69.62
91 VANCE	42	114.29
92 WAKE	170	56.50
93 WARREN	27	166.33
94 WASHINGTON	13	87.83
95 WATAUGA	17	53.66
96 WAYNE	87	89.64
97 WILKES	30	51.14
98 WILSON	76	120.38
99 YADKIN	37	130.10
100 YANCEY	8	53.57

* SEE SECTION I

TABLE 7

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	568	9.66
REGIONS		
DHR I WESTERN	202	10.03
DHR II N. CENTRAL	102	8.08
DHR III S. CENTRAL	141	10.39
DHR IV EASTERN	123	9.88
HSA I WESTERN	113	11.11
HSA II PIEDMONT	92	8.25
HSA III S. PIEDMONT	89	8.93
HSA IV CAPITAL	64	7.82
HSA V CARDINAL	117	13.03
HSA VI EASTERN	93	9.01
COUNTIES		
1 ALAMANCE	14	14.12
2 ALEXANDER	4	16.00
3 ALLEGHANY	0	0.00
4 ANSON	4	15.64
5 ASHE	0	0.00
6 AVERY	0	0.00
7 BEAUFORT	3	7.45
8 BERTIE	2	9.51
9 BLADEN	1	3.28
10 BRUNSWICK	10	27.95
11 BUNCOMBE	29	18.02
12 BURKE	4	5.51
13 CABARRUS	4	4.65
14 CALDWELL	11	16.23
15 CAMDEN	0	0.00
16 CARTERET	5	12.16
17 CASWELL	1	4.82
18 CATAWBA	11	10.45
19 CHATHAM	3	8.97
20 CHEROKEE	4	21.12
21 CHOWAN	5	39.82
22 CLAY	0	0.00
23 CLEVELAND	8	9.58
24 COLUMBUS	4	7.83
25 CRAVEN	6	8.44
26 CUMBERLAND	16	6.47
27 CURRITUCK	1	9.02
28 DARE	0	0.00
29 DAVIDSON	6	5.30
30 DAVIE	3	12.19
31 DUPLIN	4	9.76
32 DURHAM	18	11.78
33 EDGECOMBE	11	19.64
34 FORSYTH	15	6.15
35 FRANKLIN	4	13.30
36 GASTON	6	3.69
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	2	5.88
40 GREENE	1	6.20
41 GUILFORD	25	7.88
42 HALIFAX	12	21.70
43 HARNETT	3	5.03
44 HAYWOOD	4	8.60
45 HENDERSON	9	15.36
46 HERTFORD	0	0.00
47 HOKE	4	19.62
48 HYDE	0	0.00
49 IREDELL	14	16.96
50 JACKSON	6	23.24
51 JOHNSTON	5	7.08
52 JONES	0	0.00
53 LEE	7	19.06
54 LENOIR	2	3.34
55 LINCOLN	4	9.44
56 MCDOWELL	7	19.92
57 MACON	2	9.91
58 MADISON	1	5.94
59 MARTIN	2	7.70
60 MECKLENBURG	20	4.94
61 MITCHELL	0	0.00
62 MONTGOMERY	2	8.90
63 MOORE	14	27.72
64 NASH	4	5.95
65 NEW HANOVER	13	12.56
66 NORTHAMPTON	6	26.56
67 ONSLOW	4	3.54
68 ORANGE	7	9.08
69 PAMLICO	1	9.61
70 PASQUOTANK	1	3.51
71 PENDER	3	13.50
72 PERQUIMANS	3	31.63
73 PERSON	2	6.85
74 PITT	8	9.56
75 POLK	0	0.00
76 RANDOLPH	4	4.35
77 RICHMOND	11	24.18
78 ROBESON	23	22.64
79 ROCKINGHAM	9	10.78
80 ROWAN	26	26.21
81 RUTHERFORD	5	9.29
82 SAMPSON	3	6.03
83 SCOTLAND	6	18.59
84 STANLY	2	4.12
85 STOKES	4	12.09
86 SURRY	7	11.77
87 SWAIN	0	0.00
88 TRANSYLVANIA	2	8.54
89 TYRRELL	0	0.00
90 UNION	13	18.47
91 VANCE	2	5.44
92 WAKE	14	4.65
93 WARREN	0	0.00
94 WASHINGTON	1	6.75
95 WATAUGA	1	3.15
96 WAYNE	9	9.27
97 WILKES	2	3.40
98 WILSON	2	3.16
99 YADKIN	4	14.06
100 YANCEY	3	20.08

* SEE SECTION I

TABLE 8

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	9698	165.08
REGIONS		
DHR I WESTERN	3382	168.02
DHR II N. CENTRAL	2158	171.14
DHR III S. CENTRAL	1969	145.15
DHR IV EASTERN	2189	175.94
HSA I WESTERN	1764	173.43
HSA II PIEDMONT	1899	170.36
HSA III S. PIEDMONT	1618	162.49
HSA IV CAPITAL	1268	155.08
HSA V CARDINAL	1393	155.19
HSA VI EASTERN	1756	170.20
COUNTIES		
1 ALAMANCE	191	192.66
2 ALEXANDER	39	156.00
3 ALLEGHANY	21	219.02
4 ANSON	40	156.48
5 ASHE	41	183.64
6 AVERY	14	97.20
7 BEAUFORT	87	216.06
8 BERTIE	48	228.31
9 BLADEN	51	167.49
10 BRUNSWICK	81	226.44
11 BUNCOMBE	329	204.43
12 BURKE	117	161.36
13 CABARRUS	163	189.76
14 CALDWELL	91	134.32
15 CAMDEN	12	205.79
16 CARTERET	78	189.83
17 CASWELL	31	149.72
18 CATAWBA	144	136.87
19 CHATHAM	43	128.67
20 CHEROKEE	46	242.97
21 CHOWAN	42	334.50
22 CLAY	8	120.80
23 CLEVELAND	125	149.82
24 COLUMBUS	102	199.85
25 CRAVEN	107	150.61
26 CUMBERLAND	225	91.03
27 CURRITUCK	31	279.63
28 DARE	18	134.56
29 DAVIDSON	174	153.75
30 DAVIE	38	154.46
31 DUPLIN	76	185.58
32 DURHAM	260	170.17
33 EDGECOMBE	94	167.89
34 FORSYTH	391	160.45
35 FRANKLIN	50	166.35
36 GASTON	284	174.69
37 GATES	16	180.26
38 GRAHAM	13	180.20
39 GRANVILLE	51	150.02
40 GREENE	22	136.50
41 GUILFORD	569	179.40
42 HALIFAX	117	211.62
43 HARNETT	83	139.32
44 HAYWOOD	83	178.52
45 HENDERSON	127	216.79
46 HERTFORD	44	188.31
47 HOKE	22	107.95
48 HYDE	10	170.27
49 IREDELL	134	162.35
50 JACKSON	33	127.85
51 JOHNSTON	130	184.14
52 JONES	21	216.42
53 LEE	77	209.71
54 LENOIR	107	178.86
55 LINCOLN	60	141.60
56 MCDOWELL	46	130.92
57 MACON	58	287.39
58 MADISON	38	225.85
59 MARTIN	49	188.83
60 MECKLENBURG	618	152.86
61 MITCHELL	31	214.84
62 MONTGOMERY	45	200.27
63 MOORE	117	231.66
64 NASH	121	180.19
65 NEW HANOVER	205	198.12
66 NORTHAMPTON	53	234.67
67 ONSLOW	84	74.47
68 ORANGE	84	109.01
69 PAMLICO	18	173.11
70 PASQUOTANK	60	210.80
71 PENDER	45	202.57
72 PERQUIMANS	24	253.11
73 PERSON	51	174.86
74 PITT	117	139.86
75 POLK	21	161.77
76 RANDOLPH	151	164.38
77 RICHMOND	88	193.50
78 ROBESON	149	146.69
79 ROCKINGHAM	146	175.00
80 ROWAN	181	182.48
81 RUTHERFORD	101	187.77
82 SAMPSON	95	191.19
83 SCOTLAND	45	139.43
84 STANLY	76	156.63
85 STOKES	38	114.86
86 SURRY	131	220.34
87 SWAIN	16	155.64
88 TRANSYLVANIA	43	183.61
89 TYRRELL	11	276.72
90 UNION	102	144.92
91 VANCE	66	179.60
92 WAKE	415	137.95
93 WARREN	41	252.58
94 WASHINGTON	33	222.95
95 WATAUGA	44	138.90
96 WAYNE	143	147.34
97 WILKES	106	180.71
98 WILSON	113	178.98
99 YADKIN	39	137.13
100 YANCEY	29	194.20

* SEE SECTION I

TABLE 9

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	274	4.66
REGIONS		
DHR I WESTERN	99	4.91
DHR II N. CENTRAL	61	4.83
DHR III S. CENTRAL	48	3.53
DHR IV EASTERN	66	5.30
HSA I WESTERN	53	5.21
HSA II PIEDMONT	51	4.57
HSA III S. PIEDMONT	46	4.61
HSA IV CAPITAL	39	4.77
HSA V CARDINAL	30	3.34
HSA VI EASTERN	55	5.33
COUNTIES		
1 ALAMANCE	5	5.04
2 ALEXANDER	1	4.00
3 ALLEGHANY	0	0.00
4 ANSON	0	0.00
5 ASHE	2	8.95
6 AVERY	1	6.94
7 BEAUFORT	1	2.48
8 BERTIE	1	4.75
9 BLADEN	2	6.56
10 BRUNSWICK	1	2.79
11 BUNCOMBE	9	5.59
12 BURKE	1	1.37
13 CABARRUS	4	4.65
14 CALDWELL	5	7.38
15 CAMDEN	0	0.00
16 CARTERET	2	4.86
17 CASWELL	1	4.82
18 CATAWBA	2	1.90
19 CHATHAM	3	8.97
20 CHEROKEE	0	0.00
21 CHOWAN	2	15.92
22 CLAY	0	0.00
23 CLEVELAND	8	9.58
24 COLUMBUS	1	1.95
25 CRAVEN	5	7.03
26 CUMBERLAND	4	1.61
27 CURRITUCK	1	9.02
28 DARE	1	7.47
29 DAVIDSON	4	3.53
30 DAVIE	0	0.00
31 DUPLIN	1	2.44
32 DURHAM	8	5.23
33 EDGECOMBE	9	16.07
34 FORSYTH	10	4.10
35 FRANKLIN	0	0.00
36 GASTON	11	6.76
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	2	5.88
40 GREENE	0	0.00
41 GUILFORD	12	3.78
42 HALIFAX	4	7.23
43 HARNETT	3	5.03
44 HAYWOOD	2	4.30
45 HENDERSON	2	3.41
46 HERTFORD	2	8.55
47 HOKE	1	4.90
48 HYDE	0	0.00
49 IREDELL	5	6.05
50 JACKSON	0	0.00
51 JOHNSTON	5	7.08
52 JONES	1	10.30
53 LEE	3	8.17
54 LENOIR	1	1.67
55 LINCOLN	2	4.72
56 MCDOWELL	3	8.53
57 MACON	4	19.82
58 MADISON	0	0.00
59 MARTIN	2	7.70
60 MECKLENBURG	15	3.71
61 MITCHELL	0	0.00
62 MONTGOMERY	1	4.45
63 MOORE	4	7.92
64 NASH	3	4.46
65 NEW HANOVER	8	7.73
66 NORTHAMPTON	0	0.00
67 ONSLOW	1	0.88
68 ORANGE	3	3.89
69 PAMLICO	1	9.61
70 PASQUOTANK	3	10.54
71 PENDER	1	4.50
72 PERQUIMANS	1	10.54
73 PERSON	3	10.28
74 PITT	4	4.78
75 POLK	1	7.70
76 RANDOLPH	7	7.62
77 RICHMOND	1	2.19
78 ROBESON	0	0.00
79 ROCKINGHAM	6	7.19
80 ROWAN	6	6.04
81 RUTHERFORD	2	3.71
82 SAMPSON	2	4.02
83 SCOTLAND	1	3.09
84 STANLY	1	2.06
85 STOKES	0	0.00
86 SURRY	4	6.72
87 SWAIN	0	0.00
88 TRANSYLVANIA	0	0.00
89 TYRRELL	1	25.15
90 UNION	2	2.84
91 VANCE	1	2.72
92 WAKE	7	2.32
93 WARREN	4	24.64
94 WASHINGTON	1	6.75
95 WATAUGA	3	9.47
96 WAYNE	3	3.09
97 WILKES	5	8.52
98 WILSON	4	6.33
99 YADKIN	2	7.03
100 YANCEY	2	13.39

* SEE SECTION I

TABLE 10

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1038	17.66
REGIONS		
DHR I WESTERN	369	18.33
DHR II N. CENTRAL	234	18.55
DHR III S. CENTRAL	213	15.70
DHR IV EASTERN	222	17.84
HSA I WESTERN	181	17.79
HSA II PIEDMONT	214	19.19
HSA III S. PIEDMONT	188	18.88
HSA IV CAPITAL	128	15.65
HSA V CARDINAL	148	16.48
HSA VI EASTERN	179	17.35
COUNTIES		
1 ALAMANCE	20	20.17
2 ALEXANDER	1	4.00
3 ALLEGHANY	2	20.85
4 ANSON	6	23.47
5 ASHE	5	22.39
6 AVERY	0	0.00
7 BEAUFORT	11	27.31
8 BERTIE	5	23.78
9 BLADEN	7	22.98
10 BRUNSWICK	8	22.36
11 BUNCOMBE	34	21.12
12 BURKE	12	16.55
13 CABARRUS	16	18.62
14 CALDWELL	12	17.71
15 CAMDEN	2	34.29
16 CARTERET	11	26.77
17 CASWELL	6	28.97
18 CATAWBA	13	12.35
19 CHATHAM	8	23.93
20 CHEROKEE	2	10.56
21 CHOWAN	4	31.85
22 CLAY	0	0.00
23 CLEVELAND	12	14.38
24 COLUMBUS	7	13.71
25 CRAVEN	7	9.85
26 CUMBERLAND	20	8.09
27 CURRITUCK	2	18.04
28 DARE	1	7.47
29 DAVIDSON	25	22.09
30 DAVIE	7	28.45
31 DUPLIN	3	7.32
32 DURHAM	30	19.63
33 EDGECOMBE	18	32.14
34 FORSYTH	38	15.59
35 FRANKLIN	6	19.96
36 GASTON	25	15.37
37 GATES	1	11.26
38 GRAHAM	0	0.00
39 GRANVILLE	2	5.88
40 GREENE	2	12.40
41 GUILFORD	63	19.86
42 HALIFAX	10	18.08
43 HARNETT	3	5.03
44 HAYWOOD	9	19.35
45 HENDERSON	14	23.89
46 HERTFORD	6	25.67
47 HOKE	5	24.53
48 HYDE	2	34.05
49 IREDELL	12	14.53
50 JACKSON	3	11.62
51 JOHNSTON	16	22.66
52 JONES	1	10.30
53 LEE	6	16.34
54 LENOIR	4	6.68
55 LINCOLN	9	21.24
56 MCDOWELL	5	14.23
57 MACON	7	34.68
58 MADISON	6	35.66
59 MARTIN	5	19.26
60 MECKLENBURG	77	19.04
61 MITCHELL	5	34.65
62 MONTGOMERY	7	31.15
63 MOORE	19	37.62
64 NASH	11	16.38
65 NEW HANOVER	27	26.09
66 NORTHAMPTON	8	35.42
67 ONSLOW	8	7.09
68 ORANGE	11	14.27
69 PAMLICO	1	9.61
70 PASQUOTANK	9	31.62
71 PENDER	1	4.50
72 PERQUIMANS	3	31.63
73 PERSON	2	6.85
74 PITT	9	10.75
75 POLK	1	7.70
76 RANDOLPH	18	19.59
77 RICHMOND	8	17.59
78 ROBESON	12	11.81
79 ROCKINGHAM	14	16.78
80 ROWAN	20	20.16
81 RUTHERFORD	14	26.02
82 SAMPSON	11	22.13
83 SCOTLAND	7	21.68
84 STANLY	12	24.73
85 STOKES	4	12.09
86 SURRY	14	23.54
87 SWAIN	1	9.72
88 TRANSYLVANIA	5	21.35
89 TYRRELL	3	75.47
90 UNION	17	24.15
91 VANCE	7	19.04
92 WAKE	37	12.29
93 WARREN	3	18.48
94 WASHINGTON	4	27.02
95 WATAUGA	5	15.78
96 WAYNE	14	14.42
97 WILKES	10	17.04
98 WILSON	14	22.17
99 YADKIN	5	17.88
100 YANCEY	3	20.08

* SEE SECTION I

TABLE 11

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	532	9.05
REGIONS		
DHR I WESTERN	178	8.84
DHR II N. CENTRAL	118	9.35
DHR III S. CENTRAL	120	8.84
DHR IV EASTERN	116	9.32
HSA I WESTERN	98	9.63
HSA II PIEDMONT	107	9.59
HSA III S. PIEDMONT	80	8.03
HSA IV CAPITAL	69	8.43
HSA V CARDINAL	80	8.91
HSA VI EASTERN	98	9.49
COUNTIES		
1 ALAMANCE	9	9.07
2 ALEXANDER	5	20.00
3 ALLEGHANY	0	0.00
4 ANSON	4	15.64
5 ASHE	2	8.55
6 AVERY	0	0.00
7 BEAUFORT	6	14.90
8 BERTIE	1	4.75
9 BLADEN	1	3.28
10 BRUNSWICK	4	11.18
11 BUNCOMBE	16	9.94
12 BURKE	5	6.89
13 CABARRUS	3	3.49
14 CALDWELL	5	7.38
15 CAMDEN	1	17.14
16 CARTERET	2	4.86
17 CASWELL	0	0.00
18 CATAWBA	12	11.40
19 CHATHAM	4	11.96
20 CHEROKEE	4	21.12
21 CHOWAN	1	7.96
22 CLAY	2	30.20
23 CLEVELAND	11	13.18
24 COLUMBUS	4	7.83
25 CRAVEN	6	8.44
26 CUMBERLAND	15	6.06
27 CURRITUCK	0	0.00
28 DARE	2	14.95
29 DAVIDSON	12	10.60
30 DAVIE	2	8.12
31 DUPLIN	4	9.76
32 DURHAM	15	9.81
33 EDGECOMBE	3	5.35
34 FORSYTH	21	8.61
35 FRANKLIN	0	0.00
36 GASTON	10	6.15
37 GATES	1	11.26
38 GRAHAM	2	27.72
39 GRANVILLE	2	5.88
40 GREENE	2	12.40
41 GUILFORD	33	10.40
42 HALIFAX	7	12.66
43 HARNETT	7	11.75
44 HAYWOOD	4	8.60
45 HENDERSON	6	10.24
46 HERTFORD	4	17.11
47 HOKE	0	0.00
48 HYDE	0	0.00
49 IREDELL	12	14.53
50 JACKSON	4	15.49
51 JOHNSTON	8	11.33
52 JONES	1	10.30
53 LEE	3	8.17
54 LENOIR	11	18.38
55 LINCOLN	2	4.72
56 MCDOWELL	4	11.38
57 MACON	1	4.95
58 MADISON	1	5.94
59 MARTIN	2	7.70
60 MECKLENBURG	30	7.42
61 MITCHELL	1	6.93
62 MONTGOMERY	2	8.90
63 MOORE	6	11.88
64 NASH	12	17.87
65 NEW HANOVER	9	8.69
66 NORTHAMPTON	4	17.71
67 ONSLOW	1	0.88
68 ORANGE	5	6.48
69 PAMLICO	2	19.23
70 PASQUOTANK	2	7.02
71 PENDER	1	4.50
72 PERQUIMANS	1	10.54
73 PERSON	3	10.28
74 PITT	7	8.36
75 POLK	0	0.00
76 RANDOLPH	10	10.88
77 RICHMOND	6	13.19
78 ROBESON	17	16.73
79 ROCKINGHAM	8	9.58
80 ROWAN	10	10.08
81 RUTHERFORD	4	7.43
82 SAMPSON	3	6.03
83 SCOTLAND	1	3.09
84 STANLY	8	16.48
85 STOKES	2	6.04
86 SURRY	10	16.82
87 SWAIN	0	0.00
88 TRANSYLVANIA	2	8.54
89 TYRRELL	2	50.31
90 UNION	5	7.10
91 VANCE	4	10.88
92 WAKE	23	7.64
93 WARREN	2	12.32
94 WASHINGTON	0	0.00
95 WATAUGA	2	6.31
96 WAYNE	8	8.24
97 WILKES	5	8.52
98 WILSON	5	7.91
99 YADKIN	0	0.00
100 YANCEY	0	0.00

* SEE SECTION I

TABLE 12

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	2374	40.41
REGIONS		
DHR I WESTERN	778	38.65
DHR II N. CENTRAL	531	42.11
DHR III S. CENTRAL	486	35.82
DHR IV EASTERN	579	46.53
HSA I WESTERN	419	41.19
HSA II PIEDMONT	472	42.34
HSA III S. PIEDMONT	359	36.05
HSA IV CAPITAL	303	37.05
HSA V CARDINAL	371	41.33
HSA VI EASTERN	450	43.61
COUNTIES		
1 ALAMANCE	54	54.47
2 ALEXANDER	14	56.00
3 ALLEGHANY	7	73.00
4 ANSON	13	50.85
5 ASHE	9	40.31
6 AVERY	3	20.83
7 BEAUFORT	24	59.60
8 BERTIE	15	71.34
9 BLADEN	15	49.26
10 BRUNSWICK	22	61.50
11 BUNCOMBE	82	50.95
12 BURKE	28	38.61
13 CABARRUS	35	40.74
14 CALDWELL	19	28.04
15 CAMDEN	2	34.29
16 CARTERET	17	41.37
17 CASWELL	4	19.31
18 CATAWBA	39	37.06
19 CHATHAM	8	23.93
20 CHEROKEE	11	58.10
21 CHOWAN	10	79.64
22 CLAY	0	0.00
23 CLEVELAND	34	40.75
24 COLUMBUS	28	54.86
25 CRAVEN	32	45.04
26 CUMBERLAND	55	22.25
27 CURRITUCK	13	117.26
28 DARE	4	29.90
29 DAVIDSON	37	32.69
30 DAVIE	8	32.51
31 DUPLIN	23	56.16
32 DURHAM	57	37.30
33 EDGECOMBE	23	41.08
34 FORSYTH	85	34.88
35 FRANKLIN	15	49.90
36 GASTON	63	38.75
37 GATES	3	33.79
38 GRAHAM	4	55.44
39 GRANVILLE	11	32.35
40 GREENE	8	49.63
41 GUILFORD	157	49.50
42 HALIFAX	27	48.83
43 HARNETT	29	48.68
44 HAYWOOD	20	43.01
45 HENDERSON	27	46.09
46 HERTFORD	10	42.79
47 HOKE	8	39.25
48 HYDE	3	51.08
49 IREDELL	32	38.77
50 JACKSON	8	30.99
51 JOHNSTON	37	52.41
52 JONES	2	20.61
53 LEE	18	49.02
54 LENOIR	32	53.49
55 LINCOLN	15	35.40
56 MCDOWELL	5	14.23
57 MACON	11	54.50
58 MADISON	11	65.37
59 MARTIN	16	61.66
60 MECKLENBURG	146	36.11
61 MITCHELL	8	55.44
62 MONTGOMERY	12	53.40
63 MOORE	30	59.40
64 NASH	26	38.71
65 NEW HANOVER	67	64.75
66 NORTHAMPTON	11	48.70
67 ONSLOW	19	16.84
68 ORANGE	19	24.65
69 PAMLICO	4	38.46
70 PASQUOTANK	13	45.67
71 PENDER	12	54.01
72 PERQUIMANS	6	63.27
73 PERSON	13	44.57
74 PITT	31	37.05
75 POLK	6	46.22
76 RANDOLPH	41	44.63
77 RICHMOND	21	46.17
78 ROBESON	23	22.64
79 ROCKINGHAM	34	40.75
80 ROWAN	31	31.25
81 RUTHERFORD	20	37.18
82 SAMPSON	25	50.31
83 SCOTLAND	11	34.08
84 STANLY	14	28.85
85 STOKES	9	27.20
86 SURRY	35	58.87
87 SWAIN	4	38.91
88 TRANSYLVANIA	14	59.78
89 TYRRELL	3	75.47
90 UNION	23	32.68
91 VANCE	17	46.26
92 WAKE	105	34.90
93 WARREN	3	18.48
94 WASHINGTON	8	54.05
95 WATAUGA	15	47.35
96 WAYNE	30	30.91
97 WILKES	19	32.39
98 WILSON	35	55.43
99 YADKIN	8	28.13
100 YANCEY	1	6.69

* SEE SECTION I

TABLE 13

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF FEMALE BREAST

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	788	25.98
REGIONS		
DHR I WESTERN	274	26.12
DHR II N. CENTRAL	179	26.95
DHR III S. CENTRAL	172	25.07
DHR IV EASTERN	163	25.74
HSA I WESTERN	143	27.04
HSA II PIEDMONT	157	26.70
HSA III S. PIEDMONT	131	25.17
HSA IV CAPITAL	113	26.70
HSA V CARDINAL	110	24.48
HSA VI EASTERN	134	25.62
COUNTIES		
1 ALAMANCE	21	40.32
2 ALEXANDER	3	23.51
3 ALLEGHANY	0	0.00
4 ANSON	2	14.75
5 ASHE	3	26.08
6 AVERY	2	27.88
7 BEAUFORT	3	14.01
8 BERTIE	6	52.90
9 BLADEN	0	0.00
10 BRUNSWICK	6	33.16
11 BUNCOMBE	24	28.15
12 BURKE	11	29.51
13 CABARRUS	18	39.96
14 CALDWELL	5	14.23
15 CAMDEN	0	0.00
16 CARTERET	6	28.77
17 CASWELL	4	37.72
18 CATAWBA	11	20.14
19 CHATHAM	4	23.41
20 CHEROKEE	8	80.22
21 CHOWAN	4	61.84
22 CLAY	1	28.12
23 CLEVELAND	10	23.19
24 COLUMBUS	5	18.76
25 CRAVEN	8	23.22
26 CUMBERLAND	25	22.61
27 CURRITUCK	3	52.93
28 DARE	0	0.00
29 DAVIDSON	12	20.69
30 DAVIE	4	31.13
31 DUPLIN	3	13.91
32 DURHAM	30	36.88
33 EDGECOMBE	5	16.72
34 FORSYTH	36	27.62
35 FRANKLIN	3	18.82
36 GASTON	20	23.57
37 GATES	1	22.47
38 GRAHAM	0	0.00
39 GRANVILLE	7	40.70
40 GREENE	3	35.73
41 GUILFORD	42	24.77
42 HALIFAX	4	13.66
43 HARNETT	6	19.73
44 HAYWOOD	7	29.01
45 HENDERSON	8	26.01
46 HERTFORD	1	8.05
47 HOKE	1	9.94
48 HYDE	1	32.50
49 IREDELL	11	25.43
50 JACKSON	2	15.24
51 JOHNSTON	5	13.42
52 JONES	4	78.74
53 LEE	5	25.80
54 LENOIR	6	18.80
55 LINCOLN	6	27.47
56 MCDOWELL	6	32.74
57 MACON	4	37.93
58 MADISON	3	34.08
59 MARTIN	5	36.30
60 MECKLENBURG	59	27.75
61 MITCHELL	3	39.89
62 MONTGOMERY	4	34.11
63 MOORE	11	41.19
64 NASH	12	33.74
65 NEW HANOVER	12	22.14
66 NORTHAMPTON	2	17.44
67 ONSLOW	12	27.35
68 ORANGE	9	23.51
69 PAMLICO	3	54.86
70 PASQUOTANK	6	40.56
71 PENDER	6	53.37
72 PERQUIMANS	3	60.24
73 PERSON	4	26.31
74 PITT	8	18.11
75 POLK	0	0.00
76 RANDOLPH	8	16.91
77 RICHMOND	6	25.07
78 ROBESON	11	20.70
79 ROCKINGHAM	17	38.47
80 ROWAN	12	23.15
81 RUTHERFORD	12	42.42
82 SAMPSON	8	30.49
83 SCOTLAND	7	40.95
84 STANLY	4	15.82
85 STOKES	1	5.90
86 SURRY	8	25.70
87 SWAIN	3	59.10
88 TRANSYLVANIA	3	25.34
89 TYRRELL	1	46.99
90 UNION	1	2.80
91 VANCE	4	20.58
92 WAKE	38	24.75
93 WARREN	4	46.71
94 WASHINGTON	2	26.59
95 WATAUGA	2	12.18
96 WAYNE	16	32.16
97 WILKES	9	29.89
98 WILSON	6	18.05
99 YADKIN	4	26.78
100 YANCEY	3	39.05

* SEE SECTION I

TABLE 14

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	164	5.40
REGIONS		
DHR I WESTERN	48	4.57
DHR II N. CENTRAL	29	4.36
DHR III S. CENTRAL	38	5.54
DHR IV EASTERN	49	7.73
HSA I WESTERN	22	4.16
HSA II PIEDMONT	26	4.42
HSA III S. PIEDMONT	26	4.99
HSA IV CAPITAL	21	4.96
HSA V CARDINAL	25	5.56
HSA VI EASTERN	44	8.41
COUNTIES		
1 ALAMANCE	1	1.92
2 ALEXANDER	1	7.83
3 ALLEGHANY	0	0.00
4 ANSON	0	0.00
5 ASHE	0	0.00
6 AVERY	0	0.00
7 BEAUFORT	1	4.67
8 BERTIE	1	8.81
9 BLADEN	2	12.72
10 BRUNSWICK	1	5.52
11 BUNCOMBE	3	3.51
12 BURKE	3	8.04
13 CABARRUS	2	4.44
14 CALDWELL	1	2.84
15 CAMDEN	0	0.00
16 CARTERET	3	14.38
17 CASWELL	1	9.43
18 CATAWBA	2	3.66
19 CHATHAM	2	11.70
20 CHEROKEE	0	0.00
21 CHOWAN	1	15.46
22 CLAY	0	0.00
23 CLEVELAND	0	0.00
24 COLUMBUS	2	7.50
25 CRAVEN	3	8.70
26 CUMBERLAND	9	8.14
27 CURRITUCK	0	0.00
28 DARE	0	0.00
29 DAVIDSON	3	5.17
30 DAVIE	1	7.78
31 DUPLIN	1	4.63
32 DURHAM	5	6.14
33 EDGECOMBE	1	3.34
34 FORSYTH	6	4.60
35 FRANKLIN	0	0.00
36 GASTON	5	5.89
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	0	0.00
40 GREENE	1	11.91
41 GUILFORD	9	5.30
42 HALIFAX	7	23.91
43 HARNETT	1	3.28
44 HAYWOOD	2	8.28
45 HENDERSON	0	0.00
46 HERTFORD	2	16.11
47 HOKE	0	0.00
48 HYDE	0	0.00
49 IREDELL	1	2.31
50 JACKSON	1	7.62
51 JOHNSTON	1	2.68
52 JONES	1	19.68
53 LEE	3	15.48
54 LENOIR	2	6.26
55 LINCOLN	2	9.15
56 MCDOWELL	0	0.00
57 MACON	1	9.48
58 MADISON	1	11.36
59 MARTIN	2	14.52
60 MECKLENBURG	12	5.64
61 MITCHELL	1	13.29
62 MONTGOMERY	0	0.00
63 MOORE	2	7.49
64 NASH	6	16.87
65 NEW HANOVER	2	3.69
66 NORTHAMPTON	1	8.72
67 ONSLOW	1	2.27
68 ORANGE	1	2.61
69 PAMLICO	0	0.00
70 PASQUOTANK	1	6.76
71 PENDER	0	0.00
72 PERQUIMANS	0	0.00
73 PERSON	1	6.57
74 PITT	3	6.79
75 POLK	1	14.11
76 RANDOLPH	2	4.22
77 RICHMOND	1	4.17
78 ROBESON	1	1.88
79 ROCKINGHAM	1	2.26
80 ROWAN	3	5.78
81 RUTHERFORD	1	3.53
82 SAMPSON	2	7.62
83 SCOTLAND	2	11.70
84 STANLY	0	0.00
85 STOKES	0	0.00
86 SURRY	1	3.21
87 SWAIN	1	19.70
88 TRANSYLVANIA	0	0.00
89 TYRRELL	0	0.00
90 UNION	1	2.80
91 VANCE	2	10.29
92 WAKE	6	3.90
93 WARREN	0	0.00
94 WASHINGTON	0	0.00
95 WATAUGA	1	6.09
96 WAYNE	1	2.01
97 WILKES	1	3.32
98 WILSON	5	15.04
99 YADKIN	1	6.69
100 YANCEY	1	13.01

* SEE SECTION I

TABLE 15

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF OVARY AND OTHER UTERINE ADNEXA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	231	7.61
REGIONS		
DHR I WESTERN	90	8.57
DHR II N. CENTRAL	57	8.58
DHR III S. CENTRAL	39	5.68
DHR IV EASTERN	45	7.10
HSA I WESTERN	46	8.70
HSA II PIEDMONT	49	8.33
HSA III S. PIEDMONT	44	8.45
HSA IV CAPITAL	25	5.90
HSA V CARDINAL	32	7.12
HSA VI EASTERN	35	6.69
COUNTIES		
1 ALAMANCE	4	7.68
2 ALEXANDER	1	7.83
3 ALLEGHANY	0	0.00
4 ANSON	3	22.13
5 ASHE	1	8.69
6 AVERY	1	13.94
7 BEAUFORT	1	4.67
8 BERTIE	0	0.00
9 BLADEN	0	0.00
10 BRUNSWICK	4	22.11
11 BUNCOMBE	7	8.21
12 BURKE	4	10.73
13 CABARRUS	7	15.54
14 CALDWELL	1	2.84
15 CAMDEN	0	0.00
16 CARTERET	2	9.59
17 CASWELL	1	9.43
18 CATAWBA	3	5.49
19 CHATHAM	0	0.00
20 CHEROKEE	3	30.08
21 CHOWAN	0	0.00
22 CLAY	0	0.00
23 CLEVELAND	3	6.95
24 COLUMBUS	0	0.00
25 CRAVEN	0	0.00
26 CUMBERLAND	3	2.71
27 CURRITUCK	0	0.00
28 DARE	1	14.43
29 DAVIDSON	9	15.52
30 DAVIE	0	0.00
31 DUPLIN	1	4.63
32 DURHAM	4	4.91
33 EDGECOMBE	2	6.69
34 FORSYTH	14	10.74
35 FRANKLIN	2	10.55
36 GASTON	9	10.60
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	1	5.81
40 GREENE	0	0.00
41 GUILFORD	12	7.07
42 HALIFAX	2	6.83
43 HARNETT	2	6.57
44 HAYWOOD	4	16.57
45 HENDERSON	3	9.75
46 HERTFORD	1	8.05
47 HOKE	0	0.00
48 HYDE	1	32.50
49 IREDELL	2	4.62
50 JACKSON	1	7.62
51 JOHNSTON	3	8.05
52 JONES	0	0.00
53 LEE	3	15.48
54 LENOIR	2	6.26
55 LINCOLN	6	27.47
56 MCDOWELL	0	0.00
57 MACON	3	28.44
58 MADISON	1	11.36
59 MARTIN	0	0.00
60 MECKLENBURG	8	3.76
61 MITCHELL	0	0.00
62 MONTGOMERY	1	8.52
63 MOORE	2	7.49
64 NASH	1	2.81
65 NEW HANOVER	3	5.53
66 NORTHAMPTON	0	0.00
67 ONSLOW	5	11.39
68 ORANGE	2	5.22
69 PAMLICO	0	0.00
70 PASQUOTANK	2	13.52
71 PENDER	3	26.68
72 PERQUIMANS	1	20.08
73 PERSON	3	19.73
74 PITT	3	6.79
75 POLK	2	28.22
76 RANDOLPH	1	2.11
77 RICHMOND	6	25.07
78 ROBESON	3	5.64
79 ROCKINGHAM	4	9.05
80 ROWAN	5	9.64
81 RUTHERFORD	1	3.53
82 SAMPSON	2	7.62
83 SCOTLAND	0	0.00
84 STANLY	5	19.78
85 STOKES	1	5.90
86 SURRY	2	6.42
87 SWAIN	0	0.00
88 TRANSYLVANIA	0	0.00
89 TYRRELL	0	0.00
90 UNION	2	5.60
91 VANCE	1	5.14
92 WAKE	5	3.25
93 WARREN	1	11.67
94 WASHINGTON	0	0.00
95 WATAUGA	1	6.09
96 WAYNE	7	14.07
97 WILKES	5	16.60
98 WILSON	3	9.02
99 YADKIN	1	6.69
100 YANCEY	1	13.01

* SEE SECTION I

TABLE 16

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CANCER OF PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	616	21.67
REGIONS		
DHR I WESTERN	215	22.30
DHR II N. CENTRAL	142	23.79
DHR III S. CENTRAL	131	19.53
DHR IV EASTERN	128	20.94
HSA I WESTERN	118	24.16
HSA II PIEDMONT	127	24.10
HSA III S. PIEDMONT	97	20.40
HSA IV CAPITAL	72	18.25
HSA V CARDINAL	99	22.08
HSA VI EASTERN	103	20.24
COUNTIES		
1 ALAMANCE	5	10.62
2 ALEXANDER	2	16.33
3 ALLEGHANY	1	22.25
4 ANSON	2	16.65
5 ASHE	3	27.71
6 AVERY	1	13.83
7 BEAUFORT	2	10.60
8 BERTIE	2	20.65
9 BLADEN	3	20.36
10 BRUNSWICK	3	16.96
11 BUNCOMBE	22	29.06
12 BURKE	8	22.70
13 CABARRUS	6	14.68
14 CALDWELL	8	24.51
15 CAMDEN	1	36.65
16 CARTERET	5	24.70
17 CASWELL	4	39.60
18 CATAWBA	14	27.66
19 CHATHAM	2	12.24
20 CHEROKEE	3	33.48
21 CHOWAN	3	49.27
22 CLAY	0	0.00
23 CLEVELAND	11	27.28
24 COLUMBUS	7	28.69
25 CRAVEN	8	21.85
26 CUMBERLAND	20	14.64
27 CURRITUCK	2	36.90
28 DARE	1	15.50
29 DAVIDSON	5	9.06
30 DAVIE	4	34.03
31 DUPLIN	4	20.63
32 DURHAM	16	22.39
33 EDGECOMBE	6	22.99
34 FORSYTH	33	29.11
35 FRANKLIN	2	14.16
36 GASTON	22	28.30
37 GATES	2	45.17
38 GRAHAM	2	55.80
39 GRANVILLE	2	11.90
40 GREENE	1	12.95
41 GUILFORD	40	27.09
42 HALIFAX	9	34.58
43 HARNETT	6	20.57
44 HAYWOOD	2	8.94
45 HENDERSON	12	43.12
46 HERTFORD	3	27.38
47 HOKE	1	9.68
48 HYDE	1	35.75
49 IREDELL	9	22.90
50 JACKSON	2	15.75
51 JOHNSTON	5	14.98
52 JONES	1	21.63
53 LEE	8	46.13
54 LENOIR	2	7.16
55 LINCOLN	4	19.47
56 MCDOWELL	0	0.00
57 MACON	2	20.75
58 MADISON	5	62.32
59 MARTIN	1	8.21
60 MECKLENBURG	42	21.90
61 MITCHELL	1	14.47
62 MONTGOMERY	3	27.92
63 MOORE	8	33.60
64 NASH	8	25.32
65 NEW HANOVER	9	18.26
66 NORTHAMPTON	7	62.93
67 ONSLOW	4	5.80
68 ORANGE	5	12.89
69 PAMLICO	2	40.56
70 PASQUOTANK	5	36.57
71 PENDER	6	54.67
72 PERQUIMANS	1	22.21
73 PERSON	1	7.16
74 PITT	7	17.72
75 POLK	2	33.92
76 RANDOLPH	10	22.43
77 RICHMOND	4	18.56
78 ROBESON	19	39.21
79 ROCKINGHAM	11	28.03
80 ROWAN	9	19.00
81 RUTHERFORD	4	15.68
82 SAMPSON	4	17.05
83 SCOTLAND	4	24.35
84 STANLY	2	8.60
85 STOKES	2	12.38
86 SURRY	9	31.77
87 SWAIN	2	38.43
88 TRANSYLVANIA	1	8.63
89 TYRRELL	0	0.00
90 UNION	3	8.64
91 VANCE	5	28.88
92 WAKE	21	14.25
93 WARREN	5	65.18
94 WASHINGTON	1	13.73
95 WATAUGA	2	13.10
96 WAYNE	11	23.25
97 WILKES	5	17.51
98 WILSON	3	10.03
99 YADKIN	4	29.62
100 YANCEY	3	41.37

* SEE SECTION I

TABLE 17

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	393	6.69
REGIONS		
DHR I WESTERN	153	7.60
DHR II N. CENTRAL	89	7.05
DHR III S. CENTRAL	73	5.38
DHR IV EASTERN	78	6.26
HSA I WESTERN	84	8.25
HSA II PIEDMONT	78	6.99
HSA III S. PIEDMONT	69	6.92
HSA IV CAPITAL	57	6.97
HSA V CARDINAL	40	4.45
HSA VI EASTERN	65	6.30
COUNTIES		
1 ALAMANCE	8	8.06
2 ALEXANDER	0	0.00
3 ALLEGHANY	1	10.42
4 ANSON	1	3.91
5 ASHE	2	8.95
6 AVERY	0	0.00
7 BEAUFORT	3	7.45
8 BERTIE	2	9.51
9 BLADEN	1	3.28
10 BRUNSWICK	3	8.38
11 BUNCOMBE	11	6.83
12 BURKE	4	5.51
13 CABARRUS	9	10.47
14 CALDWELL	4	5.90
15 CAMDEN	0	0.00
16 CARTERET	2	4.86
17 CASWELL	0	0.00
18 CATAWBA	8	7.60
19 CHATHAM	1	2.99
20 CHEROKEE	4	21.12
21 CHOWAN	0	0.00
22 CLAY	1	15.10
23 CLEVELAND	4	4.79
24 COLUMBUS	3	5.87
25 CRAVEN	7	9.85
26 CUMBERLAND	7	2.83
27 CURRITUCK	2	18.04
28 DARE	0	0.00
29 DAVIDSON	7	6.18
30 DAVIE	2	8.12
31 DUPLIN	3	7.32
32 DURHAM	11	7.19
33 EDGECOMBE	5	8.93
34 FORSYTH	8	3.28
35 FRANKLIN	2	6.65
36 GASTON	13	7.99
37 GATES	2	22.53
38 GRAHAM	0	0.00
39 GRANVILLE	2	5.88
40 GREENE	0	0.00
41 GUILFORD	28	8.82
42 HALIFAX	4	7.23
43 HARNETT	3	5.03
44 HAYWOOD	5	10.75
45 HENDERSON	9	15.36
46 HERTFORD	3	12.83
47 HOKE	0	0.00
48 HYDE	0	0.00
49 IREDELL	11	13.32
50 JACKSON	1	3.87
51 JOHNSTON	8	11.33
52 JONES	2	20.61
53 LEE	7	19.06
54 LENOIR	3	5.01
55 LINCOLN	2	4.72
56 MCDOWELL	4	11.38
57 MACON	8	39.64
58 MADISON	1	5.94
59 MARTIN	0	0.00
60 MECKLENBURG	19	4.69
61 MITCHELL	1	6.93
62 MONTGOMERY	0	0.00
63 MOORE	0	0.00
64 NASH	5	7.44
65 NEW HANOVER	6	5.79
66 NORTHAMPTON	4	17.71
67 ONSLOW	2	1.77
68 ORANGE	0	0.00
69 PAMLICO	0	0.00
70 PASQUOTANK	4	14.05
71 PENDER	1	4.50
72 PERQUIMANS	0	0.00
73 PERSON	2	6.85
74 PITT	4	4.78
75 POLK	1	7.70
76 RANDOLPH	5	5.44
77 RICHMOND	6	13.19
78 ROBESON	9	8.86
79 ROCKINGHAM	6	7.19
80 ROWAN	7	7.05
81 RUTHERFORD	5	9.29
82 SAMPSON	0	0.00
83 SCOTLAND	0	0.00
84 STANLY	3	10.30
85 STOKES	4	12.09
86 SURRY	7	11.77
87 SWAIN	1	9.72
88 TRANSYLVANIA	1	4.27
89 TYRRELL	0	0.00
90 UNION	3	4.26
91 VANCE	4	10.88
92 WAKE	19	6.31
93 WARREN	1	6.16
94 WASHINGTON	0	0.00
95 WATAUGA	1	3.15
96 WAYNE	3	3.09
97 WILKES	7	11.93
98 WILSON	5	7.91
99 YADKIN	3	10.54
100 YANCEY	0	0.00

* SEE SECTION I

TABLE 18

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	866	14.74
REGIONS		
DHR I WESTERN	268	13.31
DHR II N. CENTRAL	200	15.86
DHR III S. CENTRAL	187	13.78
DHR IV EASTERN	211	16.95
HSA I WESTERN	140	13.76
HSA II PIEDMONT	172	15.43
HSA III S. PIEDMONT	128	12.85
HSA IV CAPITAL	115	14.06
HSA V CARDINAL	140	15.59
HSA VI EASTERN	171	16.57
COUNTIES		
1 ALAMANCE	16	16.13
2 ALEXANDER	2	8.00
3 ALLEGHANY	0	0.00
4 ANSON	4	15.64
5 ASHE	7	31.35
6 AVERY	1	6.94
7 BEAUFORT	10	24.83
8 BERTIE	10	47.56
9 BLADEN	3	9.85
10 BRUNSWICK	4	11.18
11 BUNCOMBE	17	10.56
12 BURKE	12	16.55
13 CABARRUS	12	13.97
14 CALDWELL	14	20.66
15 CAMDEN	1	17.14
16 CARTERET	4	9.73
17 CASWELL	4	19.31
18 CATAWBA	15	14.25
19 CHATHAM	3	8.97
20 CHEROKEE	2	10.56
21 CHOWAN	3	23.89
22 CLAY	0	0.00
23 CLEVELAND	17	20.37
24 COLUMBUS	12	23.51
25 CRAVEN	6	8.44
26 CUMBERLAND	21	8.49
27 CURRITUCK	3	27.06
28 DARE	1	7.47
29 DAVIDSON	17	15.02
30 DAVIE	2	8.12
31 DUPLIN	5	12.20
32 DURHAM	23	15.05
33 EDGECOMBE	10	17.86
34 FORSYTH	48	19.69
35 FRANKLIN	7	23.28
36 GASTON	31	19.06
37 GATES	1	11.26
38 GRAHAM	0	0.00
39 GRANVILLE	7	20.59
40 GREENE	2	12.40
41 GUILFORD	41	12.92
42 HALIFAX	13	23.51
43 HARNETT	13	21.82
44 HAYWOOD	5	10.75
45 HENDERSON	11	18.77
46 HERTFORD	7	29.95
47 HOKE	5	24.53
48 HYDE	1	17.02
49 IREDELL	17	20.59
50 JACKSON	5	19.37
51 JOHNSTON	13	18.41
52 JONES	1	10.30
53 LEE	8	21.78
54 LENOIR	11	18.38
55 LINCOLN	7	16.52
56 MCDOWELL	4	11.38
57 MACON	3	14.86
58 MADISON	3	17.83
59 MARTIN	4	15.41
60 MECKLENBURG	31	7.66
61 MITCHELL	0	0.00
62 MONTGOMERY	6	26.70
63 MOORE	9	17.82
64 NASH	8	11.91
65 NEW HANOVER	20	19.32
66 NORTHAMPTON	5	22.13
67 ONSLOW	10	8.86
68 ORANGE	6	7.78
69 PAMLICO	1	9.61
70 PASQUOTANK	4	14.05
71 PENDER	4	18.00
72 PERQUIMANS	1	10.54
73 PERSON	4	13.71
74 PITT	12	14.34
75 POLK	1	7.70
76 RANDOLPH	13	14.15
77 RICHMOND	7	15.39
78 ROBESON	19	18.70
79 ROCKINGHAM	12	14.38
80 ROWAN	23	23.18
81 RUTHERFORD	5	9.29
82 SAMPSON	5	10.06
83 SCOTLAND	8	24.78
84 STANLY	4	8.24
85 STOKES	2	6.04
86 SURRY	9	15.13
87 SWAIN	3	29.18
88 TRANSYLVANIA	3	12.81
89 TYRRELL	2	50.31
90 UNION	3	4.26
91 VANCE	7	19.04
92 WAKE	34	11.30
93 WARREN	3	18.48
94 WASHINGTON	3	20.26
95 WATAUGA	3	9.47
96 WAYNE	15	15.45
97 WILKES	6	10.22
98 WILSON	17	26.92
99 YADKIN	8	28.13
100 YANCEY	1	6.69

* SEE SECTION I

TABLE 19

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1259	21.43
REGIONS		
DHR I WESTERN	481	23.89
DHR II N. CENTRAL	279	22.12
DHR III S. CENTRAL	212	15.62
DHR IV EASTERN	287	23.06
HSA I WESTERN	268	26.34
HSA II PIEDMONT	225	20.18
HSA III S. PIEDMONT	213	21.39
HSA IV CAPITAL	170	20.79
HSA V CARDINAL	137	15.26
HSA VI EASTERN	246	23.84
COUNTIES		
1 ALAMANCE	18	18.15
2 ALEXANDER	4	16.00
3 ALLEGHANY	4	41.71
4 ANSON	12	46.94
5 ASHE	4	17.91
6 AVERY	2	13.88
7 BEAUFORT	20	49.66
8 BERTIE	7	33.29
9 BLADEN	5	16.42
10 BRUNSWICK	7	19.56
11 BUNCOMBE	55	34.17
12 BURKE	26	35.85
13 CABARRUS	22	25.61
14 CALDWELL	10	14.76
15 CAMDEN	0	0.00
16 CARTERET	14	34.07
17 CASWELL	0	0.00
18 CATAWBA	16	15.20
19 CHATHAM	5	14.96
20 CHEROKEE	4	21.12
21 CHOWAN	4	31.85
22 CLAY	1	15.10
23 CLEVELAND	24	28.76
24 COLUMBUS	13	25.47
25 CRAVEN	3	4.22
26 CUMBERLAND	20	8.09
27 CURRITUCK	4	36.08
28 DARE	3	22.42
29 DAVIDSON	12	10.60
30 DAVIE	5	20.32
31 DUPLIN	5	12.20
32 DURHAM	36	23.56
33 EDGECOMBE	13	23.21
34 FORSYTH	52	21.33
35 FRANKLIN	6	19.96
36 GASTON	37	22.75
37 GATES	3	33.79
38 GRAHAM	1	13.86
39 GRANVILLE	20	58.83
40 GREENE	1	6.20
41 GUILFORD	67	21.12
42 HALIFAX	19	34.36
43 HARNETT	10	16.78
44 HAYWOOD	16	34.41
45 HENDERSON	27	46.09
46 HERTFORD	5	21.39
47 HOKE	3	14.72
48 HYDE	2	34.05
49 IREDELL	24	29.07
50 JACKSON	4	15.49
51 JOHNSTON	10	14.16
52 JONES	4	41.22
53 LEE	7	19.06
54 LENOIR	18	30.09
55 LINCOLN	8	18.88
56 MCDOWELL	8	22.76
57 MACON	3	14.86
58 MADISON	5	29.71
59 MARTIN	6	23.12
60 MECKLENBURG	77	19.04
61 MITCHELL	6	41.58
62 MONTGOMERY	6	26.70
63 MOORE	12	23.76
64 NASH	26	38.71
65 NEW HANOVER	19	18.36
66 NORTHAMPTON	8	35.42
67 ONSLOW	10	8.86
68 ORANGE	15	19.46
69 PAMLICO	5	48.08
70 PASQUOTANK	9	31.62
71 PENDER	2	9.00
72 PERQUIMANS	3	31.63
73 PERSON	5	17.14
74 PITT	21	25.10
75 POLK	5	38.51
76 RANDOLPH	13	14.15
77 RICHMOND	3	6.59
78 ROBESON	13	12.79
79 ROCKINGHAM	19	22.77
80 ROWAN	26	26.21
81 RUTHERFORD	12	22.30
82 SAMPSON	6	12.07
83 SCOTLAND	6	18.59
84 STANLY	10	20.61
85 STOKES	17	51.38
86 SURRY	18	30.27
87 SWAIN	2	19.45
88 TRANSYLVANIA	1	4.27
89 TYRRELL	1	25.15
90 UNION	9	12.78
91 VANCE	12	32.65
92 WAKE	43	14.29
93 WARREN	11	67.76
94 WASHINGTON	1	6.75
95 WATAUGA	11	34.72
96 WAYNE	17	17.51
97 WILKES	11	18.75
98 WILSON	14	22.17
99 YADKIN	4	14.06
100 YANCEY	6	40.17

* SEE SECTION I

TABLE 20

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1221	20.78
REGIONS		
DHR I WESTERN	416	20.66
DHR II N. CENTRAL	301	23.87
DHR III S. CENTRAL	244	17.98
DHR IV EASTERN	260	20.89
HSA I WESTERN	227	22.31
HSA II PIEDMONT	258	23.14
HSA III S. PIEDMONT	189	18.98
HSA IV CAPITAL	162	19.81
HSA V CARDINAL	155	17.26
HSA VI EASTERN	230	22.29
COUNTIES		
1 ALAMANCE	21	21.18
2 ALEXANDER	4	16.00
3 ALLEGHANY	3	31.28
4 ANSON	10	39.12
5 ASHE	5	22.39
6 AVERY	5	34.71
7 BEAUFORT	11	27.31
8 BERTIE	1	4.75
9 BLADEN	9	29.55
10 BRUNSWICK	7	19.56
11 BUNCOMBE	38	23.61
12 BURKE	10	13.79
13 CABARRUS	20	23.28
14 CALDWELL	15	22.14
15 CAMDEN	1	17.14
16 CARTERET	8	19.46
17 CASWELL	7	33.80
18 CATAWBA	17	16.15
19 CHATHAM	2	5.98
20 CHEROKEE	7	36.97
21 CHOWAN	4	31.85
22 CLAY	0	0.00
23 CLEVELAND	17	20.37
24 COLUMBUS	5	9.79
25 CRAVEN	9	12.66
26 CUMBERLAND	24	9.71
27 CURRITUCK	3	27.06
28 DARE	1	7.47
29 DAVIDSON	21	18.55
30 DAVIE	4	16.25
31 DUPLIN	13	31.74
32 DURHAM	32	20.94
33 EDGECOMBE	14	25.00
34 FORSYTH	59	24.21
35 FRANKLIN	10	33.27
36 GASTON	26	15.99
37 GATES	2	22.53
38 GRAHAM	2	27.72
39 GRANVILLE	10	29.41
40 GREENE	2	12.40
41 GUILFORD	75	23.64
42 HALIFAX	15	27.13
43 HARNETT	10	16.78
44 HAYWOOD	17	36.56
45 HENDERSON	13	22.19
46 HERTFORD	7	29.95
47 HOKE	5	24.53
48 HYDE	0	0.00
49 IREDELL	13	15.75
50 JACKSON	4	15.49
51 JOHNSTON	17	24.08
52 JONES	1	10.30
53 LEE	15	40.85
54 LENOIR	15	25.07
55 LINCOLN	5	11.80
56 MCDOWELL	11	31.30
57 MACON	4	19.82
58 MADISON	6	35.66
59 MARTIN	8	30.83
60 MECKLENBURG	75	18.55
61 MITCHELL	4	27.72
62 MONTGOMERY	6	26.70
63 MOORE	18	35.64
64 NASH	19	28.29
65 NEW HANOVER	16	15.46
66 NORTHAMPTON	4	17.71
67 ONSLOW	8	7.09
68 ORANGE	6	7.78
69 PAMLICO	5	48.08
70 PASQUOTANK	11	38.64
71 PENDER	2	9.00
72 PERQUIMANS	1	10.54
73 PERSON	6	20.57
74 PITT	18	21.51
75 POLK	8	61.62
76 RANDOLPH	15	16.32
77 RICHMOND	14	30.78
78 ROBESON	14	13.78
79 ROCKINGHAM	22	26.37
80 ROWAN	18	18.14
81 RUTHERFORD	14	26.02
82 SAMPSON	9	18.11
83 SCOTLAND	6	18.59
84 STANLY	15	30.91
85 STOKES	6	18.13
86 SURRY	22	37.00
87 SWAIN	2	19.45
88 TRANSYLVANIA	6	25.62
89 TYRRELL	3	75.47
90 UNION	17	24.15
91 VANCE	12	32.65
92 WAKE	47	15.62
93 WARREN	5	30.80
94 WASHINGTON	2	13.51
95 WATAUGA	1	3.15
96 WAYNE	26	26.79
97 WILKES	11	18.75
98 WILSON	18	28.51
99 YADKIN	6	21.09
100 YANCEY	3	20.08

* SEE SECTION I

TABLE 21

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	715	12.17
REGIONS		
DHR I WESTERN	265	13.16
DHR II N. CENTRAL	154	12.21
DHR III S. CENTRAL	149	10.98
DHR IV EASTERN	147	11.81
HSA I WESTERN	117	11.50
HSA II PIEDMONT	133	11.93
HSA III S. PIEDMONT	148	14.86
HSA IV CAPITAL	88	10.76
HSA V CARDINAL	110	12.25
HSA VI EASTERN	119	11.53
COUNTIES		
1 ALAMANCE	4	4.03
2 ALEXANDER	3	12.00
3 ALLEGHANY	1	10.42
4 ANSON	4	15.64
5 ASHE	1	4.47
6 AVERY	0	0.00
7 BEAUFORT	6	14.90
8 BERTIE	0	0.00
9 BLADEN	3	9.85
10 BRUNSWICK	3	8.38
11 BUNCOMBE	19	11.80
12 BURKE	9	12.41
13 CABARRUS	11	12.80
14 CALDWELL	9	13.28
15 CAMDEN	2	34.29
16 CARTERET	4	9.73
17 CASWELL	1	4.82
18 CATAWBA	23	21.86
19 CHATHAM	5	14.96
20 CHEROKEE	6	31.69
21 CHOWAN	2	15.92
22 CLAY	0	0.00
23 CLEVELAND	4	4.79
24 COLUMBUS	5	9.79
25 CRAVEN	12	16.89
26 CUMBERLAND	23	9.30
27 CURRITUCK	1	9.02
28 DARE	1	7.47
29 DAVIDSON	14	12.37
30 DAVIE	5	20.32
31 DUPLIN	8	19.53
32 DURHAM	16	10.47
33 EDGECOMBE	3	5.35
34 FORSYTH	42	17.23
35 FRANKLIN	2	6.65
36 GASTON	21	12.91
37 GATES	1	11.26
38 GRAHAM	1	13.86
39 GRANVILLE	6	17.65
40 GREENE	0	0.00
41 GUILFORD	41	12.92
42 HALIFAX	11	19.89
43 HARNETT	7	11.75
44 HAYWOOD	5	10.75
45 HENDERSON	11	18.77
46 HERTFORD	3	12.83
47 HOKE	1	4.90
48 HYDE	1	17.02
49 IREDELL	7	8.48
50 JACKSON	2	7.74
51 JOHNSTON	5	7.08
52 JONES	1	10.30
53 LEE	3	8.17
54 LENOIR	6	10.03
55 LINCOLN	2	4.72
56 MCDOWELL	2	5.69
57 MACON	1	4.95
58 MADISON	3	17.83
59 MARTIN	2	7.70
60 MECKLENBURG	80	19.78
61 MITCHELL	1	6.93
62 MONTGOMERY	3	13.35
63 MOORE	10	19.80
64 NASH	9	13.40
65 NEW HANOVER	16	15.46
66 NORTHAMPTON	1	4.42
67 ONSLOW	4	3.54
68 ORANGE	5	6.48
69 PAMLICO	2	19.23
70 PASQUOTANK	1	3.51
71 PENDER	4	18.00
72 PERQUIMANS	0	0.00
73 PERSON	3	10.28
74 PITT	4	4.78
75 POLK	2	15.40
76 RANDOLPH	8	8.70
77 RICHMOND	6	13.19
78 ROBESON	13	12.79
79 ROCKINGHAM	11	13.18
80 ROWAN	16	16.13
81 RUTHERFORD	3	5.57
82 SAMPSON	7	14.08
83 SCOTLAND	5	15.49
84 STANLY	6	12.36
85 STOKES	1	3.02
86 SURRY	3	5.04
87 SWAIN	2	19.45
88 TRANSYLVANIA	3	12.81
89 TYRRELL	0	0.00
90 UNION	5	7.10
91 VANCE	9	24.49
92 WAKE	33	10.96
93 WARREN	1	6.16
94 WASHINGTON	3	20.26
95 WATAUGA	3	9.47
96 WAYNE	19	19.57
97 WILKES	3	5.11
98 WILSON	12	19.00
99 YADKIN	3	10.54
100 YANCEY	0	0.00

* SEE SECTION I

TABLE 22

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	479	8.15
REGIONS		
DHR I WESTERN	149	7.40
DHR II N. CENTRAL	100	7.93
DHR III S. CENTRAL	116	8.55
DHR IV EASTERN	114	9.16
HSA I WESTERN	81	7.96
HSA II PIEDMONT	73	6.54
HSA III S. PIEDMONT	68	6.82
HSA IV CAPITAL	82	10.02
HSA V CARDINAL	77	8.57
HSA VI EASTERN	98	9.49
COUNTIES		
1 ALAMANCE	3	3.02
2 ALEXANDER	4	16.00
3 ALLEGHANY	2	20.85
4 ANSON	7	27.38
5 ASHE	2	8.95
6 AVERY	0	0.00
7 BEAUFORT	3	7.45
8 BERTIE	5	23.78
9 BLADEN	5	16.42
10 BRUNSWICK	5	13.97
11 BUNCOMBE	8	4.97
12 BURKE	4	5.51
13 CABARRUS	6	6.98
14 CALDWELL	5	7.38
15 CAMDEN	1	17.14
16 CARTERET	6	14.60
17 CASWELL	1	4.82
18 CATAWBA	8	7.60
19 CHATHAM	3	8.97
20 CHEROKEE	1	5.28
21 CHOWAN	3	23.89
22 CLAY	0	0.00
23 CLEVELAND	7	8.39
24 COLUMBUS	6	11.75
25 CRAVEN	8	11.26
26 CUMBERLAND	5	2.02
27 CURRITUCK	0	0.00
28 DARE	3	22.42
29 DAVIDSON	5	4.41
30 DAVIE	1	4.06
31 DUPLIN	3	7.32
32 DURHAM	16	10.47
33 EDGECOMBE	4	7.14
34 FORSYTH	22	9.02
35 FRANKLIN	8	26.61
36 GASTON	13	7.99
37 GATES	1	11.26
38 GRAHAM	1	13.86
39 GRANVILLE	7	20.59
40 GREENE	1	6.20
41 GUILFORD	19	5.99
42 HALIFAX	8	14.47
43 HARNETT	5	8.39
44 HAYWOOD	4	8.60
45 HENDERSON	7	11.94
46 HERTFORD	3	12.83
47 HOKE	4	19.62
48 HYDE	1	17.02
49 IREDELL	4	4.84
50 JACKSON	2	7.74
51 JOHNSTON	8	11.33
52 JONES	2	20.61
53 LEE	1	2.72
54 LENOIR	4	6.68
55 LINCOLN	6	14.16
56 MCDOWELL	1	2.84
57 MACON	2	9.91
58 MADISON	0	0.00
59 MARTIN	12	46.24
60 MECKLENBURG	19	4.69
61 MITCHELL	4	27.72
62 MONTGOMERY	2	8.90
63 MOORE	1	1.98
64 NASH	6	8.93
65 NEW HANOVER	4	3.86
66 NORTHAMPTON	0	0.00
67 ONSLOW	5	4.43
68 ORANGE	7	9.08
69 PAMLICO	0	0.00
70 PASQUOTANK	2	7.02
71 PENDER	1	4.50
72 PERQUIMANS	1	10.54
73 PERSON	3	10.28
74 PITT	7	8.36
75 POLK	2	15.40
76 RANDOLPH	5	5.44
77 RICHMOND	5	10.99
78 ROBESON	17	16.73
79 ROCKINGHAM	10	11.98
80 ROWAN	7	7.05
81 RUTHERFORD	9	16.73
82 SAMPSON	6	12.07
83 SCOTLAND	4	12.39
84 STANLY	5	10.30
85 STOKES	2	6.04
86 SURRY	5	8.41
87 SWAIN	1	9.72
88 TRANSYLVANIA	0	0.00
89 TYRRELL	0	0.00
90 UNION	8	11.36
91 VANCE	8	21.77
92 WAKE	20	6.64
93 WARREN	1	6.16
94 WASHINGTON	1	6.75
95 WATAUGA	2	6.31
96 WAYNE	3	3.09
97 WILKES	3	5.11
98 WILSON	5	7.91
99 YADKIN	0	0.00
100 YANCEY	2	13.39

* SEE SECTION I

TABLE 23

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1570	26.72
REGIONS		
DHR I WESTERN	523	25.98
DHR II N. CENTRAL	337	26.72
DHR III S. CENTRAL	368	27.12
DHR IV EASTERN	342	27.48
HSA I WESTERN	283	27.82
HSA II PIEDMONT	293	26.28
HSA III S. PIEDMONT	240	24.10
HSA IV CAPITAL	213	26.05
HSA V CARDINAL	269	29.96
HSA VI EASTERN	272	26.36
COUNTIES		
1 ALAMANCE	25	25.21
2 ALEXANDER	7	28.00
3 ALLEGHANY	2	20.85
4 ANSON	12	46.94
5 ASHE	5	22.39
6 AVERY	4	27.77
7 BEAUFORT	14	34.76
8 BERTIE	7	33.29
9 BLADEN	8	26.27
10 BRUNSWICK	15	41.93
11 BUNCOMBE	40	24.85
12 BURKE	16	22.06
13 CABARRUS	19	22.12
14 CALDWELL	8	11.80
15 CAMDEN	1	17.14
16 CARTERET	6	14.60
17 CASWELL	5	24.14
18 CATAWBA	31	29.46
19 CHATHAM	10	29.92
20 CHEROKEE	7	36.97
21 CHOWAN	3	23.89
22 CLAY	0	0.00
23 CLEVELAND	17	20.37
24 COLUMBUS	20	39.18
25 CRAVEN	9	12.66
26 CUMBERLAND	49	19.82
27 CURRITUCK	4	36.08
28 DARE	4	29.90
29 DAVIDSON	39	34.46
30 DAVIE	9	36.58
31 DUPLIN	19	46.39
32 DURHAM	19	12.43
33 EDGECOMBE	7	12.50
34 FORSYTH	56	22.98
35 FRANKLIN	8	26.61
36 GASTON	46	28.29
37 GATES	3	33.79
38 GRAHAM	3	41.58
39 GRANVILLE	13	38.24
40 GREENE	7	43.43
41 GUILFORD	66	20.81
42 HALIFAX	11	19.89
43 HARNETT	21	35.25
44 HAYWOOD	12	25.81
45 HENDERSON	12	20.48
46 HERTFORD	9	38.51
47 HOKE	2	9.81
48 HYDE	2	34.05
49 IREDELL	15	18.17
50 JACKSON	6	23.24
51 JOHNSTON	32	45.32
52 JONES	4	41.22
53 LEE	15	40.85
54 LENOIR	12	20.06
55 LINCOLN	13	30.68
56 MCDOWELL	11	31.30
57 MACON	2	9.91
58 MADISON	11	65.37
59 MARTIN	7	26.97
60 MECKLENBURG	83	20.53
61 MITCHELL	10	69.30
62 MONTGOMERY	5	22.25
63 MOORE	13	25.74
64 NASH	28	41.69
65 NEW HANOVER	30	28.99
66 NORTHAMPTON	7	30.99
67 ONSLOW	20	17.73
68 ORANGE	23	29.84
69 PAMLICO	2	19.23
70 PASQUOTANK	3	10.54
71 PENDER	5	22.50
72 PERQUIMANS	2	21.09
73 PERSON	12	41.14
74 PITT	21	25.10
75 POLK	2	15.40
76 RANDOLPH	26	28.30
77 RICHMOND	18	39.58
78 ROBESON	40	39.38
79 ROCKINGHAM	30	35.96
80 ROWAN	32	32.26
81 RUTHERFORD	20	37.18
82 SAMPSON	18	36.22
83 SCOTLAND	13	40.28
84 STANLY	13	26.79
85 STOKES	10	30.22
86 SURRY	18	30.27
87 SWAIN	13	126.45
88 TRANSYLVANIA	4	17.08
89 TYRRELL	0	0.00
90 UNION	19	26.99
91 VANCE	7	19.04
92 WAKE	70	23.26
93 WARREN	4	24.64
94 WASHINGTON	1	6.75
95 WATAUGA	11	34.72
96 WAYNE	36	37.09
97 WILKES	24	40.91
98 WILSON	23	36.43
99 YADKIN	9	31.64
100 YANCEY	5	33.48

* SEE SECTION I

TABLE 24

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1592	27.10
REGIONS		
DHR I WESTERN	524	26.03
DHR II N. CENTRAL	302	23.95
DHR III S. CENTRAL	380	28.01
DHR IV EASTERN	386	31.02
HSA I WESTERN	286	28.11
HSA II PIEDMONT	248	22.24
HSA III S. PIEDMONT	238	23.90
HSA IV CAPITAL	221	27.03
HSA V CARDINAL	281	31.30
HSA VI EASTERN	318	30.82
COUNTIES		
1 ALAMANCE	22	22.19
2 ALEXANDER	9	36.00
3 ALLEGHANY	2	20.85
4 ANSON	10	39.12
5 ASHE	6	26.87
6 AVERY	4	27.77
7 BEAUFORT	16	39.73
8 BERTIE	11	52.32
9 BLADEN	14	45.97
10 BRUNSWICK	11	30.75
11 BUNCOMBE	43	26.71
12 BURKE	19	26.20
13 CABARRUS	24	27.94
14 CALDWELL	16	23.61
15 CAMDEN	1	17.14
16 CARTERET	6	14.60
17 CASWELL	10	48.29
18 CATAWBA	22	20.91
19 CHATHAM	6	17.95
20 CHEROKEE	6	31.69
21 CHOWAN	3	23.89
22 CLAY	4	60.40
23 CLEVELAND	28	33.56
24 COLUMBUS	22	43.10
25 CRAVEN	25	35.18
26 CUMBERLAND	47	19.01
27 CURRITUCK	5	45.10
28 DARE	2	14.95
29 DAVIDSON	21	18.55
30 DAVIE	7	28.45
31 DUPLIN	10	24.41
32 DURHAM	35	22.90
33 EDGECOMBE	23	41.08
34 FORSYTH	53	21.74
35 FRANKLIN	10	33.27
36 GASTON	39	23.99
37 GATES	3	33.79
38 GRAHAM	5	69.30
39 GRANVILLE	13	38.24
40 GREENE	4	24.81
41 GUILFORD	50	15.76
42 HALIFAX	18	32.55
43 HARNETT	19	31.89
44 HAYWOOD	14	30.11
45 HENDERSON	25	42.67
46 HERTFORD	12	51.35
47 HOKE	5	24.53
48 HYDE	5	85.13
49 IREDELL	21	25.44
50 JACKSON	7	27.12
51 JOHNSTON	32	45.32
52 JONES	0	0.00
53 LEE	12	32.68
54 LENOIR	26	43.46
55 LINCOLN	16	37.76
56 MCDOWELL	6	17.07
57 MACON	5	24.77
58 MADISON	8	47.54
59 MARTIN	10	38.53
60 MECKLENBURG	87	21.52
61 MITCHELL	3	20.79
62 MONTGOMERY	8	35.60
63 MOORE	19	37.62
64 NASH	20	29.78
65 NEW HANOVER	19	18.36
66 NORTHAMPTON	6	26.56
67 ONSLOW	22	19.50
68 ORANGE	11	14.27
69 PAMLICO	7	67.32
70 PASQUOTANK	5	17.56
71 PENDER	16	72.02
72 PERQUIMANS	4	42.18
73 PERSON	14	48.00
74 PITT	26	31.08
75 POLK	9	69.33
76 RANDOLPH	26	28.30
77 RICHMOND	15	32.98
78 ROBESON	45	44.30
79 ROCKINGHAM	31	37.15
80 ROWAN	21	21.17
81 RUTHERFORD	16	29.74
82 SAMPSON	22	44.27
83 SCOTLAND	9	27.88
84 STANLY	15	30.91
85 STOKES	6	18.13
86 SURRY	12	20.18
87 SWAIN	4	38.91
88 TRANSYLVANIA	3	12.81
89 TYRRELL	1	25.15
90 UNION	15	21.31
91 VANCE	13	35.37
92 WAKE	71	23.60
93 WARREN	4	24.64
94 WASHINGTON	5	33.78
95 WATAUGA	2	6.31
96 WAYNE	20	20.60
97 WILKES	15	25.57
98 WILSON	22	34.84
99 YADKIN	10	35.16
100 YANCEY	5	33.48

* SEE SECTION I

TABLE 25

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	657	11.18
REGIONS		
DHR I WESTERN	236	11.72
DHR II N. CENTRAL	154	12.21
DHR III S. CENTRAL	144	10.61
DHR IV EASTERN	123	9.88
HSA I WESTERN	124	12.19
HSA II PIEDMONT	136	12.20
HSA III S. PIEDMONT	112	11.24
HSA IV CAPITAL	95	11.61
HSA V CARDINAL	93	10.36
HSA VI EASTERN	97	9.40
COUNTIES		
1 ALAMANCE	8	8.06
2 ALEXANDER	2	8.00
3 ALLEGHANY	2	20.85
4 ANSON	1	3.91
5 ASHE	9	40.31
6 AVERY	1	6.94
7 BEAUFORT	4	9.93
8 BERTIE	3	14.26
9 BLADEN	4	13.13
10 BRUNSWICK	2	5.59
11 BUNCOMBE	23	14.29
12 BURKE	3	4.13
13 CABARRUS	10	11.64
14 CALDWELL	9	13.28
15 CAMDEN	1	17.14
16 CARTERET	1	2.43
17 CASWELL	0	0.00
18 CATAWBA	13	12.35
19 CHATHAM	3	8.97
20 CHEROKEE	1	5.28
21 CHOWAN	2	15.92
22 CLAY	2	30.20
23 CLEVELAND	10	11.98
24 COLUMBUS	9	17.63
25 CRAVEN	4	5.63
26 CUMBERLAND	23	9.30
27 CURRITUCK	2	18.04
28 DARE	1	7.47
29 DAVIDSON	18	15.90
30 DAVIE	3	12.19
31 DUPLIN	2	4.88
32 DURHAM	11	7.19
33 EDGECOMBE	3	5.35
34 FORSYTH	29	11.90
35 FRANKLIN	2	6.65
36 GASTON	25	15.37
37 GATES	2	22.53
38 GRAHAM	1	13.86
39 GRANVILLE	5	14.70
40 GREENE	1	6.20
41 GUILFORD	44	13.87
42 HALIFAX	4	7.23
43 HARNETT	6	10.07
44 HAYWOOD	4	8.60
45 HENDERSON	10	17.07
46 HERTFORD	2	8.55
47 HOKE	1	4.90
48 HYDE	1	17.02
49 IREDELL	6	7.26
50 JACKSON	3	11.62
51 JOHNSTON	11	15.58
52 JONES	0	0.00
53 LEE	4	10.89
54 LENOIR	11	18.38
55 LINCOLN	3	7.08
56 MCDOWELL	5	14.23
57 MACON	3	14.86
58 MADISON	0	0.00
59 MARTIN	2	7.70
60 MECKLENBURG	37	9.15
61 MITCHELL	3	20.79
62 MONTGOMERY	5	22.25
63 MOORE	5	9.90
64 NASH	5	7.44
65 NEW HANOVER	12	11.59
66 NORTHAMPTON	3	13.28
67 ONSLOW	11	9.75
68 ORANGE	5	6.48
69 PAMLICO	1	9.61
70 PASQUOTANK	4	14.05
71 PENDER	3	13.50
72 PERQUIMANS	0	0.00
73 PERSON	6	20.57
74 PITT	6	7.17
75 POLK	0	0.00
76 RANDOLPH	11	11.97
77 RICHMOND	4	8.79
78 ROBESON	8	7.87
79 ROCKINGHAM	9	10.78
80 ROWAN	14	14.11
81 RUTHERFORD	3	5.57
82 SAMPSON	9	18.11
83 SCOTLAND	1	3.09
84 STANLY	4	8.24
85 STOKES	5	15.11
86 SURRY	7	11.77
87 SWAIN	2	19.45
88 TRANSYLVANIA	3	12.81
89 TYRRELL	1	25.15
90 UNION	13	18.47
91 VANCE	2	5.44
92 WAKE	43	14.29
93 WARREN	3	18.48
94 WASHINGTON	2	13.51
95 WATAUGA	4	12.62
96 WAYNE	10	10.30
97 WILKES	7	11.93
98 WILSON	8	12.67
99 YADKIN	2	7.03
100 YANCEY	1	6.69

* SEE SECTION I

TABLE 26

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	669	11.38
REGIONS		
DHR I WESTERN	220	10.92
DHR II N. CENTRAL	134	10.62
DHR III S. CENTRAL	189	13.93
DHR IV EASTERN	126	10.12
HSA I WESTERN	92	9.04
HSA II PIEDMONT	108	9.68
HSA III S. PIEDMONT	128	12.85
HSA IV CAPITAL	96	11.74
HSA V CARDINAL	137	15.26
HSA VI EASTERN	108	10.46
COUNTIES		
1 ALAMANCE	16	16.13
2 ALEXANDER	2	8.00
3 ALLEGHANY	1	10.42
4 ANSON	4	15.64
5 ASHE	1	4.47
6 AVERY	1	6.94
7 BEAUFORT	7	17.38
8 BERTIE	7	33.29
9 BLADEN	6	19.70
10 BRUNSWICK	2	5.59
11 BUNCOMBE	16	9.94
12 BURKE	8	11.03
13 CABARRUS	9	10.47
14 CALDWELL	10	14.76
15 CAMDEN	0	0.00
16 CARTERET	0	0.00
17 CASWELL	1	4.82
18 CATAWBA	15	14.25
19 CHATHAM	2	5.98
20 CHEROKEE	1	5.28
21 CHOWAN	1	7.96
22 CLAY	2	30.20
23 CLEVELAND	8	9.58
24 COLUMBUS	8	15.67
25 CRAVEN	10	14.07
26 CUMBERLAND	40	16.18
27 CURRITUCK	0	0.00
28 DARE	1	7.47
29 DAVIDSON	9	7.95
30 DAVIE	2	8.12
31 DUPLIN	2	4.88
32 DURHAM	20	13.09
33 EDGECOMBE	9	16.07
34 FORSYTH	25	10.25
35 FRANKLIN	7	23.28
36 GASTON	21	12.91
37 GATES	0	0.00
38 GRAHAM	0	0.00
39 GRANVILLE	6	17.65
40 GREENE	3	18.61
41 GUILFORD	36	11.35
42 HALIFAX	5	9.04
43 HARNETT	13	21.82
44 HAYWOOD	2	4.30
45 HENDERSON	4	6.82
46 HERTFORD	3	12.83
47 HOKE	3	14.72
48 HYDE	0	0.00
49 IREDELL	6	7.26
50 JACKSON	2	7.74
51 JOHNSTON	6	8.49
52 JONES	0	0.00
53 LEE	4	10.89
54 LENOIR	7	11.70
55 LINCOLN	5	11.80
56 MCDOWELL	1	2.84
57 MACON	1	4.95
58 MADISON	2	11.88
59 MARTIN	4	15.41
60 MECKLENBURG	65	16.07
61 MITCHELL	0	0.00
62 MONTGOMERY	4	17.80
63 MOORE	7	13.86
64 NASH	9	13.40
65 NEW HANOVER	7	6.76
66 NORTHAMPTON	4	17.71
67 ONSLOW	11	9.75
68 ORANGE	7	9.08
69 PAMLICO	0	0.00
70 PASQUOTANK	1	3.51
71 PENDER	1	4.50
72 PERQUIMANS	1	10.54
73 PERSON	5	17.14
74 PITT	8	9.56
75 POLK	5	38.51
76 RANDOLPH	5	5.44
77 RICHMOND	12	26.38
78 ROBESON	20	19.69
79 ROCKINGHAM	9	10.78
80 ROWAN	14	14.11
81 RUTHERFORD	5	9.29
82 SAMPSON	7	14.08
83 SCOTLAND	3	9.29
84 STANLY	6	12.36
85 STOKES	3	9.06
86 SURRY	1	1.68
87 SWAIN	2	19.45
88 TRANSYLVANIA	0	0.00
89 TYRRELL	1	25.15
90 UNION	2	2.84
91 VANCE	7	19.04
92 WAKE	31	10.30
93 WARREN	1	6.16
94 WASHINGTON	2	13.51
95 WATAUGA	0	0.00
96 WAYNE	5	5.15
97 WILKES	2	3.40
98 WILSON	7	11.08
99 YADKIN	1	3.51
100 YANCEY	1	6.69

* SEE SECTION I

TABLE 27

MORTALITY STATISTICS FOR 1980

NORTH CAROLINA RESIDENTS

INFANT DEATHS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1980	DEATH RATE* 1980
NORTH CAROLINA	1219	14.42
REGIONS		
DHR I WESTERN	395	14.70
DHR II N. CENTRAL	198	12.29
DHR III S. CENTRAL	334	15.68
DHR IV EASTERN	292	14.43
HSA I WESTERN	182	14.20
HSA II PIEDMONT	163	11.54
HSA III S. PIEDMONT	213	15.17
HSA IV CAPITAL	171	15.29
HSA V CARDINAL	245	16.10
HSA VI EASTERN	245	14.32
COUNTIES		
1 ALAMANCE	17	14.76
2 ALEXANDER	6	17.34
3 ALLEGHANY	3	27.27
4 ANSON	8	21.39
5 ASHE	11	36.54
6 AVERY	1	5.15
7 BEAUFORT	10	16.44
8 BERTIE	5	15.01
9 BLADEN	4	9.19
10 BRUNSWICK	7	13.20
11 BUNCOMBE	28	13.97
12 BURKE	12	13.77
13 CABARRUS	15	13.86
14 CALDWELL	17	19.79
15 CAMDEN	1	12.50
16 CARTERET	5	8.00
17 CASWELL	2	8.77
18 CATAWBA	16	11.13
19 CHATHAM	5	10.52
20 CHEROKEE	1	3.77
21 CHOWAN	5	28.08
22 CLAY	1	11.49
23 CLEVELAND	23	19.59
24 COLUMBUS	19	21.96
25 CRAVEN	14	9.41
26 CUMBERLAND	85	16.30
27 CURRITUCK	1	6.99
28 DARE	0	0.00
29 DAVIDSON	13	9.00
30 DAVIE	4	12.61
31 DUPLIN	5	8.81
32 DURHAM	29	13.78
33 EDGECOMBE	16	18.22
34 FORSYTH	34	10.86
35 FRANKLIN	6	16.99
36 GASTON	31	13.47
37 GATES	2	15.26
38 GRAHAM	0	0.00
39 GRANVILLE	6	14.56
40 GREENE	4	16.39
41 GUILFORD	46	11.08
42 HALIFAX	22	24.14
43 HARNETT	12	12.52
44 HAYWOOD	8	16.00
45 HENDERSON	7	9.65
46 HERTFORD	4	10.95
47 HOKE	5	14.57
48 HYDE	1	10.98
49 IREDELL	19	17.41
50 JACKSON	4	12.82
51 JOHNSTON	20	20.85
52 JONES	1	8.33
53 LEE	11	18.73
54 LENOIR	15	16.96
55 LINCOLN	9	16.66
56 MCDOWELL	4	10.20
57 MACON	6	27.39
58 MADISON	1	5.37
59 MARTIN	8	21.79
60 MECKLENBURG	98	16.50
61 MITCHELL	1	5.74
62 MONTGOMERY	5	15.10
63 MOORE	10	14.24
64 NASH	19	18.57
65 NEW HANOVER	15	10.78
66 NORTHAMPTON	5	14.83
67 ONSLOW	34	12.75
68 ORANGE	16	17.66
69 PAMLICO	3	28.30
70 PASQUOTANK	9	20.31
71 PENDER	6	17.80
72 PERQUIMANS	1	8.40
73 PERSON	5	14.00
74 PITT	10	7.59
75 POLK	2	16.66
76 RANDOLPH	13	11.17
77 RICHMOND	13	19.57
78 ROBESON	35	18.99
79 ROCKINGHAM	20	18.08
80 ROWAN	18	12.99
81 RUTHERFORD	12	16.71
82 SAMPSON	8	11.47
83 SCOTLAND	13	24.43
84 STANLY	9	14.87
85 STOKES	2	5.27
86 SURRY	6	8.28
87 SWAIN	2	12.04
88 TRANSYLVANIA	1	3.63
89 TYRRELL	2	28.16
90 UNION	14	12.75
91 VANCE	11	19.67
92 WAKE	55	13.20
93 WARREN	7	23.10
94 WASHINGTON	2	9.38
95 WATAUGA	2	6.11
96 WAYNE	21	12.47
97 WILKES	12	15.42
98 WILSON	20	21.16
99 YADKIN	6	18.07
100 YANCEY	1	5.64

* SEE SECTION I

REFERENCES

(1) Kleinman, Joel (July 1976). "Infant Mortality," Statistical Notes for Health Planners, National Center for Health Statistics, No. 2, Hyattsville, Maryland.